



SCIENCE PROGRAM REVIEW

2008

Review Team

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SCIENCE PROGRAM REVIEW

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Executive Summary

Coastline's Science Program is comprised of classes in almost every field of science. We offer classes in anatomy, astronomy, biology, biotechnology, chemistry, ecology, geology, marine science, microbiology, physiology, and physics. We offer our classes in traditional on-site formats as well as three modes of Distance Learning (online, telecourse, and independent study).

Growth has been strong in all classes and formats. Our greatest growth has been in the areas (anatomy, physiology and microbiology) where lab facilities have been added. We have had waiting lists for most sections of anatomy, physiology and microbiology. Due to these strong enrollments, we are building additional lab space that will be in operation in the Fall of 2008.

In distance learning formats, online sections are requested by students more often than the older telecourse format. Because of that demand, we have added several online sections that are designed specifically for high school students. Due to internet access issues, we anticipate that telecourses will be needed by students for at least another five years.

Our newest courses (e.g., physiology and microbiology) were created and approved with expected student learning outcomes (SLOs), and our older courses are in the process of being updated with new SLOs. Faculty have been trained in the creation and assessment of course level SLOs and key faculty have been identified to review and update SLOs for each course currently offered. All course offerings will have approved course level SLOs by the first curriculum meeting in the Fall, and faculty will begin to develop and map program-level SLOs in 2008-09.

We have increased our offerings and enrollments to a level that requires the attention of an additional full-time employee. Specifically, we would like to hire someone to run our lab facilities. With that support person on staff, we would then hire another chemist and add organic chemistry to our course offerings.

Our five-year plan is to improve and expand our program. To accomplish this, we have identified eleven goals:

1. Hire a full-time lab facilitator
2. Increase lab space
3. Hire a full-time physiology instructor
4. Hire an additional full-time chemistry instructor
5. Develop and offer a course in organic chemistry
6. Develop and offer a major in chemistry
7. Develop and offer a major in biology
8. Update all Science curriculum by Fall 2008
9. Explore methods for improving student retention and success
10. Closely monitor enrollments in the Biotech Program and explore methods for strengthening the certificate program
11. Continue work on student learning outcomes, including mapping, assessing, and tracking

Program Review Process

The review team was comprised of Randall Warwick, Professor of Biology, Ted Marcus, Professor of Chemistry, and Margaret Lovig, Dean of Science. The team members surveyed approximately 800 current science students, 3 full-time science faculty and 25 part-time science faculty. Of 268 responses to the student survey, 223 were from students enrolled in regular FTES-generating classes and 42 were from military students. An additional 50 students enrolled in science classes responded to a separate survey of a random sampling of incarcerated students.

The review also included a focus on student learning outcomes. Both department chairs have participated in SLO training and continue to work with faculty within the department on the identification of expected learning outcomes as well as on methods to assess outcomes. Course-level learning outcomes were assessed and documented in nine different science courses.

Description

Overview

Our science program has grown from a few simple telecourses produced outside the department, into an elaborate online collection of courses covering the major fields of science. To supplement our distance learning options, our faculty have developed virtual labs in astronomy, biology, chemistry, geology and marine science. In addition, we have been able to offer our students an increased variety of traditional classroom and lab based classes.

Our on-site science classes are offered mainly at the Garden Grove and Le-Jao sites. While those sites are adequate, they do not currently offer enough room for all students who want to participate. The education of those students who are turned away could be improved by the addition of more lab space.

We are pleased that our lab based class enrollments are very strong. However, we are concerned that our lab facilities may become degraded over time as no specific individual is directly responsible for the equipment in them. For that reason, we would like to hire a facilitator whose responsibility would include maintenance of the equipment in our labs.

Currently, our program is comprised of three full-time faculty and twenty-seven part-time faculty. Our faculty are teaching courses that are designed primarily for general education. In order to develop and offer curriculum for a major in chemistry or biology, we believe that the college will need to hire a lab facilitator, an organic chemist and a physiologist. We believe that such a combination of people could develop a science major's curriculum in both biology and chemistry.

Our current lab facilities include a state of the art microbiology lab in our Garden Grove Center and a three year old anatomy lab in our Le-Jao Center. We are currently building

A new chemistry lab in our Garden Grove facility which will include all equipment needed for our current chemistry offerings.

Our anatomy sections and our physiology are full without meeting current needs. Since anatomy and physiology share the same lab space, we can increase our sections in both areas by building a lab exclusively for physiology. We believe that our offerings could be enhanced through the hire of a full-time physiologist and the building of an additional lab for physiology.

Certificate Requirements

Effective with the 2007-08 academic year, the Science Program added a new Biological Technology Certificate of Achievement program that is designed to prepare biological laboratory technicians for employment in research, development, and process development laboratories.

The state-approved certificate consists of 25 unites of coursework.

Course ID	Title	Units
Chem 110	Introduction to Chemistry	5.0
Chem 180	General Chemistry	4.0
Chem 180L	General Chemistry Lab	1.0
Biol 100	Introduction to Biology	3.0
Biol 101	Introduction to Biology Lab	1.0
Bio Tech 100	Introduction to Biological Technology Skills	4.0
Bio Tech 105	Biological Technology Skills II	4.0
Bio Tech 110	Overview of Quality Assurance	3.0
Total units		25.0

Thus far, the Biotech classes have attracted few students. At census, Biotech 199 had only 11 students in Summer 2007, and Biotech 100 had 18 in Fall 2007. Spring 2008 enrollments are somewhat stronger with 18 in Biotech 105 and 17 in Biotech 110.

In addition to the Biological Technology Certificate, the college Curriculum Committee approved an A.A. degree area of emphasis in Science and Math at its February 2008 meeting. That area of emphasis will be effective with the 2008-09 academic year and will be reflected on degrees offered from that point on. The area of emphasis will require successful completion of at least 18 units of course work from Astronomy, Biology, Chemistry, Ecology, Geology, Marine Science, Math, and/or Physics.

Curriculum Review

The following table indicates the current status of the science curriculum. We have identified key faculty to add robust course-level SLO's to the curriculum of any course that lacks them. Our plan is to have course-level SLO's approved for each currently offered course by the end of the Fall semester of 2008. We will suspend all courses from the curriculum that have not been offered in over two years during the Fall of 2008. We will create program-level SLOs by the end of the Spring semester of 2009.

Course ID	Course Title	Original	Revised	Most Current Outline	SLOS
ASTRON 100	INTRODUCTION/ASTRONOMY	3/1/1993	10/1/2000	10/1/2000	No
ASTRON 100L	ASTRONOMY LABORATORY	6/1/1993	11/1/2004	11/1/2004	No
BIOL 001AD	BIOLOGY TUTORING	5/1/2001		5/1/2001	No
BIOL 100	INTRODUCTION TO BIOLOGY		4/1/2004	4/1/2004	Yes
BIOL 101	INTRO TO BIOLOGY--LAB		11/1/2004	11/1/2004	No
BIOL 105	INTRO TO ANATOMY/PHYSIOLOGY	6/1/1988	10/19/2007	10/19/2007	Yes
BIOL 110	APPLIED BOTANY	6/1/1989		6/1/1989	No
BIOL 120	BIOLOGY OF AGING	9/11/1995	11/21/2003	11/21/2003	Yes
BIOL 125	MARINE MAMMALS	2/1/1988		2/1/1988	No
BIOL 170	HUMAN ANATOMY	2/1/1994		2/1/1994	No
BIOL 175	HUMAN PHYSIOLOGY	5/1/2006		5/1/2006	Yes
BIOL 200	PHARMACOLOGY		5/1/2000	5/1/2000	No
BIOL 210	INTRO TO MICROBIOLOGY	2/1/2007		2/1/2007	Yes
BIOTECH 100	INTRO/BIOLOGICAL TECH	4/1/2005		4/1/2005	Yes
BIOTECH 105	BIOLOGICAL TECH SKILLS2	4/1/2005		4/1/2005	Yes
BIOTECH 110	OVERVIEW OF QUALITY ASSURANCE		5/7/2007	5/7/2007	Yes
CHEM 001AD	CHEMISTRY TUTORING	5/1/2001		5/1/2001	No
CHEM 100	CHEMISTRY AND LIVING	4/1/1987		4/1/1987	No
CHEM 105	CHEM/EXPLOR/TEACHERS	8/1/2002		8/1/2002	No
CHEM 110	INTRO TO CHEMISTRY	6/1/1996	4/1/2000	4/1/2000	No
CHEM 130	GENERAL CHEMISTRY PREP	5/1/1996		5/1/1996	No
CHEM 180	GENERAL CHEMISTRY A	4/1/1998		4/1/1998	No
CHEM 180L	GENERAL CHEMISTRY A LAB	4/1/1998	9/1/2002	9/1/2002	No
CHEM 185	GENERAL CHEMISTRY B	4/1/1998		4/1/1998	No
CHEM 185L	GENERAL CHEMISTRY B LAB	4/1/1998		4/1/1998	No
ECOL 100	HUMAN ECOLOGY	4/1/1997		4/1/1997	No
ECOL 105	ECOSYSTEMS	4/1/2000		4/1/2000	No
GEOL 100	GENERAL GEOLOGY	6/1/1989	5/1/2003	5/1/2003	No
GEOL 110	PHYSICAL GEOLOGY	4/1/1988		4/1/1988	No
GEOL 125	ROCKS AND MINERALS	10/1/1988		10/1/1988	No
GEOL 130	CALIFORNIA GEOLOGY	10/1/2006		10/1/2006	Yes
GEOL 140	INTRO TO GEOLOGY		10/1/2000	10/1/2000	No
GEOL 141	GEOLOGY LAB		11/1/2004	11/1/2004	No
MAR SC 100	INTRO MARINE SCIENCE	4/1/1992		4/1/1992	No
MAR SC 100L	MARINE SCIENCE LAB	11/1/1999		11/1/1999	No
MAR SC 105	MARINE BIOLOGY	3/1/1988		3/1/1988	No
PHYS 110	INTRODUCTION TO PHYSICS	4/1/1987	10/19/2007	10/19/2007	Yes
PHYS 120	PHYSICS 1	4/1/1987		4/1/1987	No
PHYS 125	PHYSICS 2	4/1/1987		4/1/1987	No
PHYS 185	GENERAL PHYSICS	2/1/1988		2/1/1988	No

Need

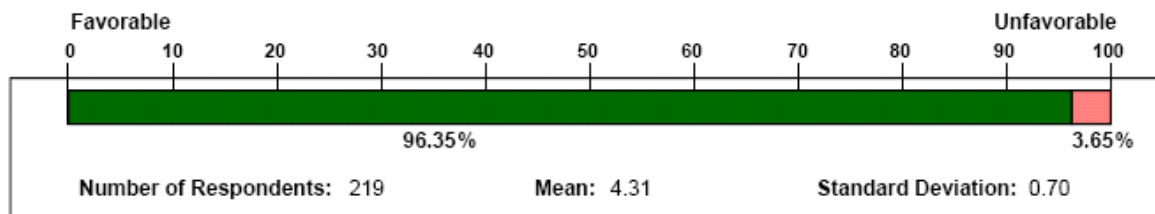
There is a large and growing need for health care workers. The Bureau of Labor Statistics reports that the area of greatest employment growth will be health care and social assistance, with an average annual growth rate of 2.4% through 2016. Our program serves students who have an interest in becoming a nurse, pharmacist, physical therapist, occupational therapist, nutritionist, x-ray technician, dental hygienist, dental assistant, medical assistant physician, or dentist.

In addition, we serve the general education needs of most college students. Our courses in marine science, astronomy, geology and ecology are very popular with students interested in the environment. Our offerings in chemistry are very popular with students who want to increase their general knowledge as well as their scientific reasoning.

As America competes in the global market and as we are confronted by important ideas such as global warming, our citizens will be well served by the development of their scientific reasoning and knowledge.

Respondents to the student survey indicated a very high level of satisfaction (96.35%) with the relevance of the science classes they are taking to their individual job needs.

General Satisfaction - Relevance of classes to my job needs



Resources

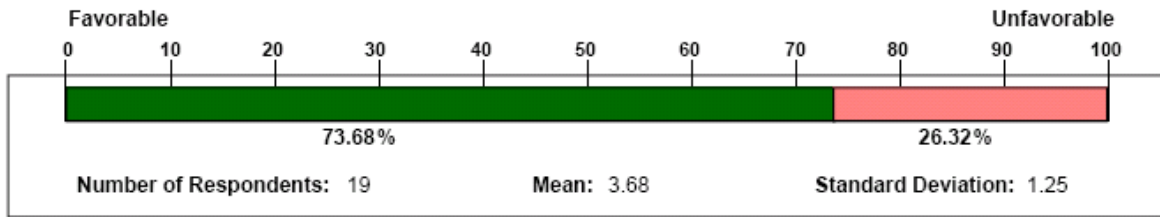
Our distance learning courses have always been well received by our students. We have the capacity to enroll all students who want those types of classes. Our faculty have expressed concern about distance learning technology. That is due to new computer systems used by our district and it is not thought of as long-term. Our faculty have high standards which helps drive college-wide improvements in technology. Our students are generally very satisfied with current technology.

But we have found that our classroom based science classes do not have the physical capacity to meet current students' needs. If we are to continue to grow our "in class" classes, we must add more lab space, more equipment, and support personnel.

Currently, we are using many part-time faculty in our labs and we are using the labs at all times of the day and evening. As one example, we offer six 6-hour sections of anatomy and five 3-hour sections of physiology in one laboratory room each week. In addition, that room is kept in use from the early morning until late at night during our summer session. Because of our great student demand, we do not have "open" time in the laboratory for good maintenance. In addition, our part-time instructors do not have any open time to prepare the lab room. At most colleges staff set-up the labs and maintain the rooms and equipment. We believe that our program has grown to a size that requires the attention of a full-time employee in our current lab areas.

Of 19 faculty members who expressed an opinion, 73.68% indicated satisfaction with the adequacy of instructional facilities. More than 26% were dissatisfied.

General Satisfaction - Adequacy of instructional facilities



In explaining their dissatisfaction, faculty members noted that:

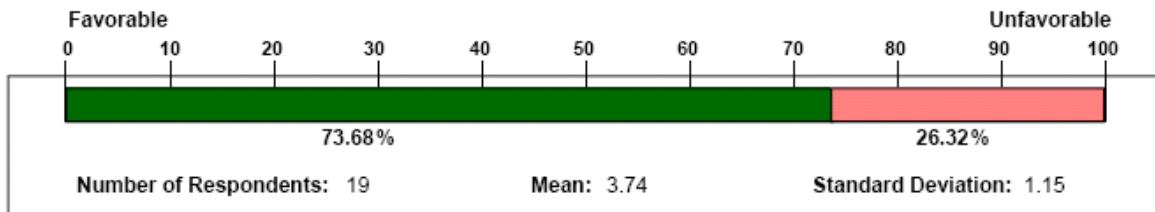
HS class rooms (in the BfC program) usually do NOT provide any instructional equipment.

The software for DL classes has problems. The system does not work due mainly because of poor technology and lack of computer/printer access. I know the issues impacting lab equipment are being worked on...

The facilities for instructors office space for work and storage are very small and crowded. There are not enough computer portals for instructors. The accessibility of computers and projectors is very limited.

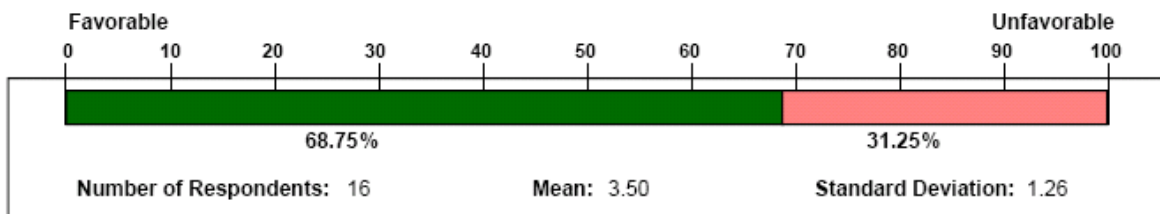
The same percentage was satisfied and dissatisfied with general instructional/audio-visual equipment in the classrooms.

General Satisfaction - General instructional equipment (audio-visual, instructor classroom computer and projector, etc.)



Faculty members expressed greater dissatisfaction with laboratory facilities. Just over 31% of the 16 faculty members who responded indicated dissatisfaction with this aspect of the program.

General Satisfaction - Laboratory equipment

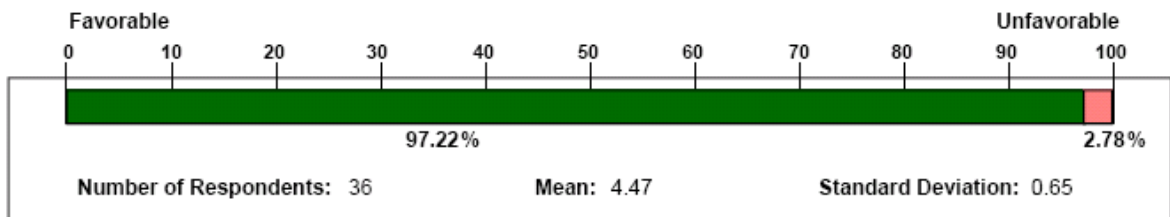


Faculty comments included:

- The lab is very crowded as it is used for Anatomy, Physiology and Biology. It is packed with equipments and materials for the three course. It needs a storage room. I feel that we need to build a new lab and hire a lab tech.
- Adequacy of instructional facilities and lab equipment. We are lacking. The lab, even though just remodeled is very disorganized. We also lack the needed turn around time to convert from microbio to chem. There is also a safety issue in that if anything is left out we have no clue as to what it is. For the chemist we have no idea how toxic the bacteria is the microbio lab is using and for the microbio, they may not know how toxic our chemicals are. So we are then in turn exposing each other to toxins. One possible fix is to build another lab and separate us into two rooms. This would relieve congestion and allow us to get organized.
- It is also difficult for students to print out course materials (I place my slides online), as they are discouraged from doing so in printer facilities. Projector equipment is not bright enough to be able to use, and the lack of web connectivity in the lecture hall prohibits the use of science related movie or flash clips. The lab room is also generally very crowded, particularly in the preparation area.
- Laboratory equipment is sometimes missing, falling apart, or not in adequate numbers for the amount of students. As the laboratory is used for many classes, it would be helpful to have a laboratory tech assigned for maintenance, storage and continued quality managed of equipment.

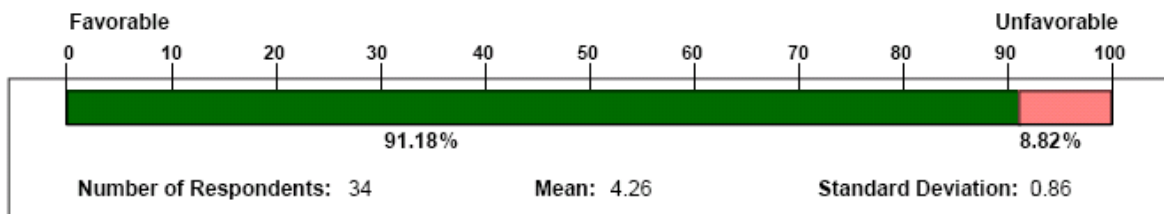
Students were far less critical of classroom and laboratory facilities. More than 97% of the student survey respondents taking site-based classes indicated satisfaction with the classroom.

Site-Based Classes - The classroom is appropriate for the activities in the class.

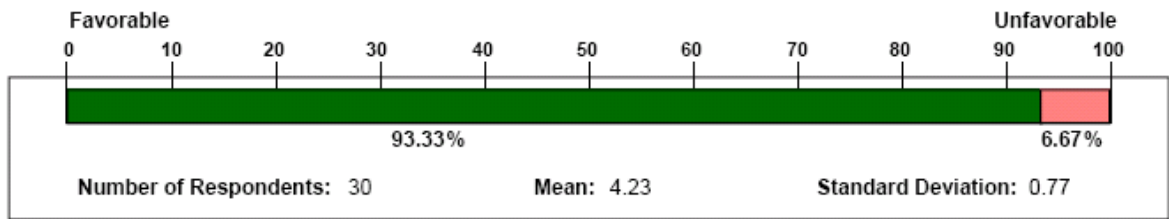


Students also indicated high levels of satisfaction with the currency of the lab equipment (91.18%) and with the number of lab stations (93.33%).

Site-Based Classes - Lab equipment is up-to-date.

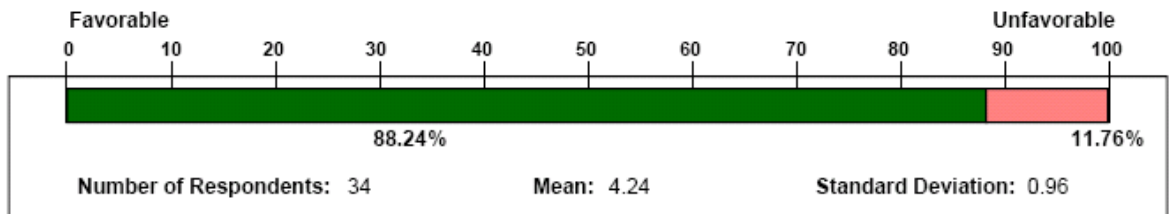


Site-Based Classes - The lab has enough stations to accommodate all students.



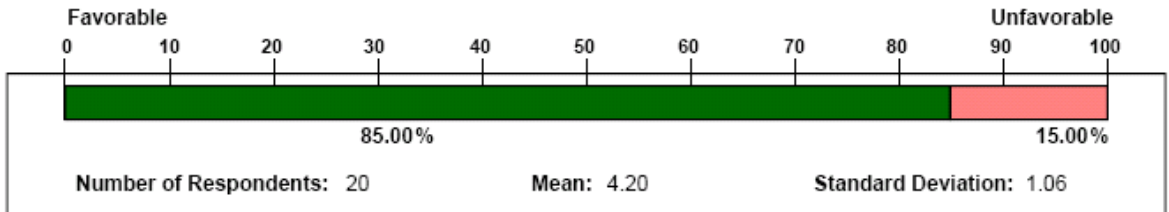
A slightly lower percentage of students (88.24%) expressed satisfaction with the extent to which the lab organization supports efficient use of time.

Site-Based Classes - The lab is organized in a manner that allows the instructor and students to use their time efficiently.



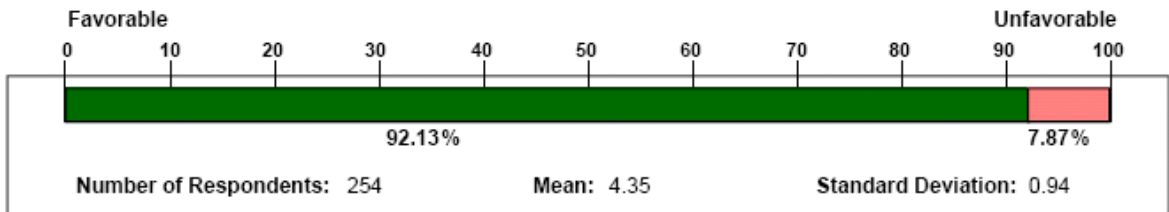
Faculty members were, however, more satisfied (85%) with the support they receive from the dean and staff.

General Satisfaction - Support for the program and classes from Dean and area support staff

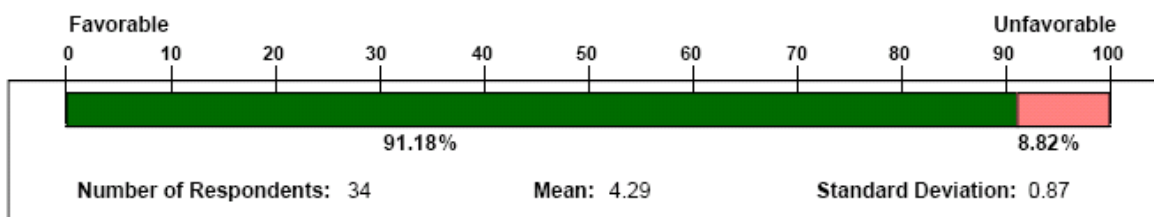


Students were also satisfied with staff support for science classes, with more than 92% reporting satisfaction with this aspect of the program.

General Satisfaction - Staff support for the program and classes



Site-Based Classes - Adequate support is available to students in the lab.

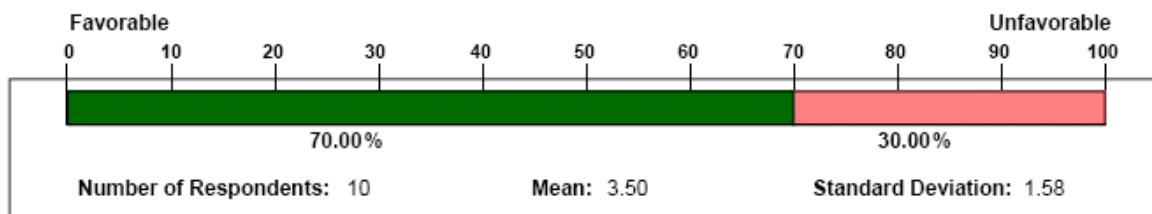


One faculty member commented:

It has sometimes been difficult to communicate some of the needs of the laboratory to the support staff. Many times items such as paper towels which are critical to maintaining a safe lab are missing - we were informed that they have to be purchased through another account, but the situation remains the same after an entire semester.

Distance learning plays a significant role in the delivery of many of Coastline's Science courses. DL courses are offered online and via telecourses. Of the 10 science faculty members who expressed an opinion, 3 (30%) indicating concerns about the reliability of the distance learning technology that supports their courses.

Distance Learning - The technology used to deliver my distance learning course has been reliable.

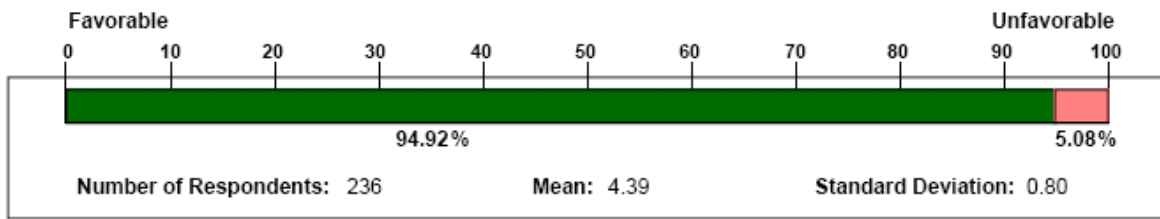


Faculty comments about the distance learning technology and delivery tools included:

- The attitude is good, but there are problems with the technology (software or hardware - I don't know) that can't be fixed at my level. Those technology-related problems prevent the system from working.
- There is no comparison with classroom based instruction. I do get a lot of emails from the students in DL, but it is much harder to explain complex subjects to the students. To make DL work for chem, we need a virtual classroom. One where I can write something down on a touch pad of some sort and the students will see, along with some kind of web cam system where they can get interaction.

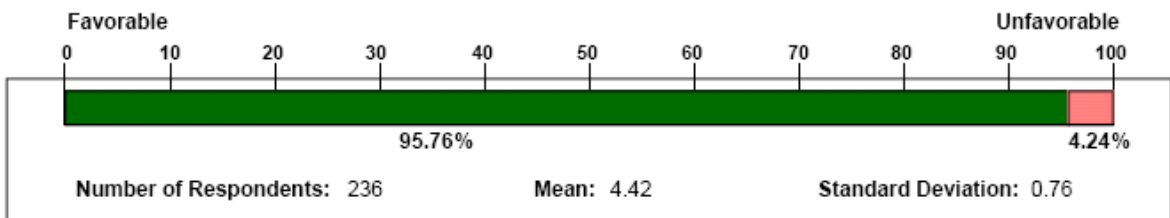
Students seemed to experience fewer problems with the technology than did faculty, with only 5.08% of students indicating that the technology was not reliable.

Distance Learning - The technology used to deliver my distance learning Science course(s) has been reliable.



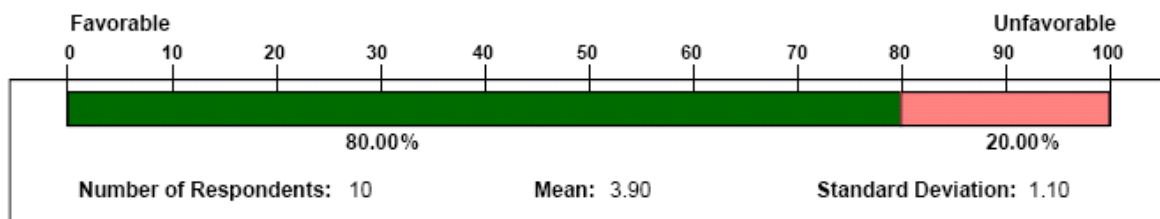
An overwhelming majority of students in distance learning science classes (95.76%) also indicated that they have access to the supplies needed to complete their classes.

Distance Learning - I have access to all of the supplies and materials I need to successfully complete my class.



Eight of the ten respondents were satisfied with the support from the Distance Learning staff, but two respondents indicated that the support does not meet their needs.

Distance Learning - The support I receive from the Distance Learning Department meets my needs.



One faculty member noted:

Had unusually many problems with online exams this fall. Staff quite helpful, though.

Partnerships

We do not have partnerships, but we will work on developing relationships with our local four year institutions. We believe that those relationships will be useful in bring new faculty talent to our program.

Professional Development

Faculty members in the program participate in a wide variety of professional development activities. The majority of respondents indicated that they attend the General Faculty Meeting (All-College Meeting), belong to professional associations, participate in professional conferences, and engage in discipline and technology-related reading.

In which of the following professional development activities have you participated within the past three years? (Mark all that apply.)

Respondents: 20

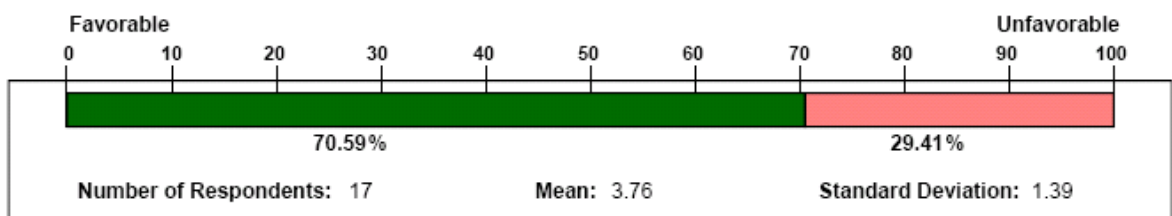
CCC General Faculty Meeting	17	85.00 %
Discipline-related workshops	9	45.00 %
Technology-related workshops	13	65.00 %
Student learning outcomes workshops/training	5	25.00 %
Other workshops	9	45.00 %
Membership in professional associations	13	65.00 %
Professional conferences	13	65.00 %
Graduate classes/program	4	20.00 %
Other classes	2	10.00 %
Professional training	9	45.00 %
Discipline-related reading	12	60.00 %
Technology-related reading	12	60.00 %
Total Responses	118	100 %

Survey data indicates that science faculty members are engaged in many of the committees, activities, and operations of the college, including:

- Equivalency Committee
- Academic Senate Equivalency Task Force
- Technology Committee
- Academic Senate
- Public Relations
- District Wellness
- Curriculum Committee
- Program Review
- Accreditation Standard Co-Chair and Mid-Term Report Committee
- Vocational Program Advisory Committee
- Tenure Review Committees
- Full-Time Faculty Evaluation Committee Chair
- Seaport/My CCC Mentor
- Mission Planning Budget
- Science committees

Although about 70% of the faculty survey respondents were satisfied with opportunities available to them to participate in curriculum review and program development, almost 30% expressed dissatisfaction.

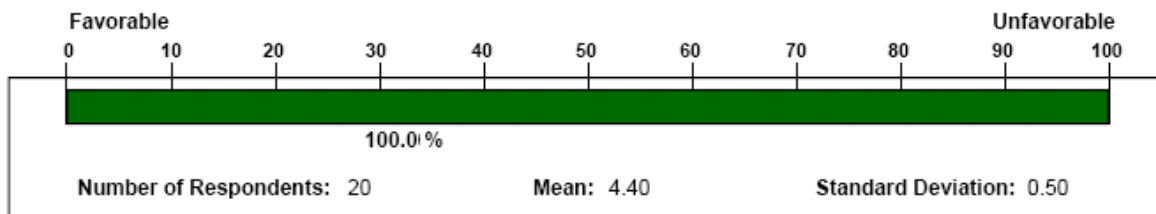
General Satisfaction - Opportunity for faculty to participate in curriculum review and program development



In fact, one faculty member wrote: “[I’ve] never known that I COULD participate in curriculum development.”

On a very positive note, all 20 of the faculty survey respondents reported satisfaction with their own success teaching in the program.

General Satisfaction - Your own success teaching in the program



This is certainly borne out by the awards, honors, and recognition received by faculty members in the department:

- Coastline Teacher of the Year 2006 (Randall Warwick)
- Drilling and downhole-sampling research grants at CSUF (Jim Ruhle?)
- Three grants and honors received were outside the science field (?)
- Teaching Excellence Award 2007 (Ramon Wahba)
- 2007 Consumer's Research Council of America Guide to America's top Surgeons (Ramon Wahba)

Quantitative Elements

Course Data

Enrollments in Science classes have more than doubled in the past six and a half years—going from 151.1 FTES in Fall 2001 to 371.5 in Fall 2007. The greatest amount of growth has occurred in the past year. Fall 2007 FTES were up an impressive 41% over Fall 2006.

The single largest discipline in the Science Program is Biology, which generated just 194 FTES in Fall 2007—a 41% increase over Fall 2006.

Chemistry, with 68 FTES in Fall 2007, is the second-largest discipline and showed a remarkable growth of 82% over Fall 2006.

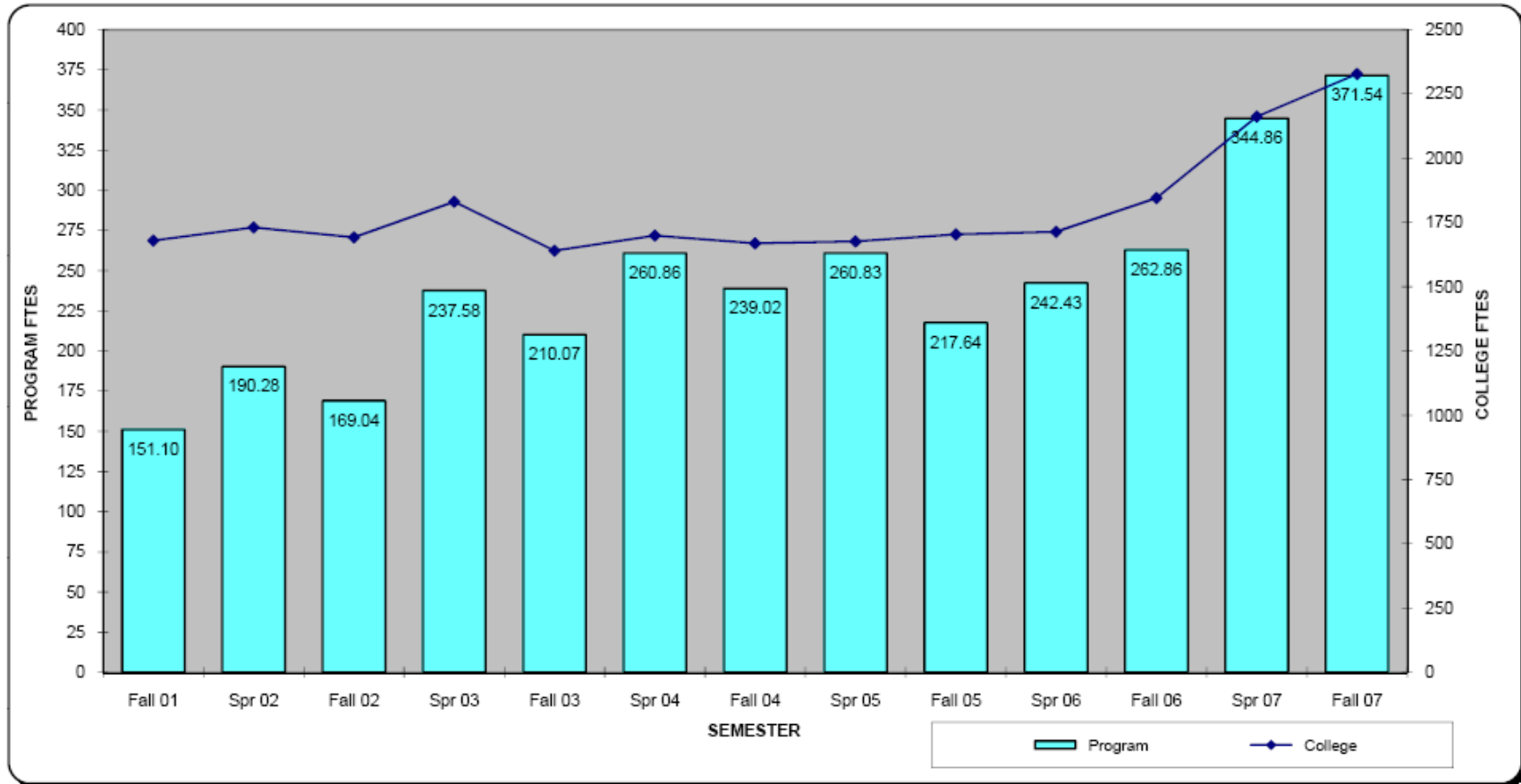
Geology was a close third but has shown less dramatic change in enrollments. Fall 2007 FTES totaled 53—the same as in Spring 2006 and just slightly lower than the six and a half-year record of 56 FTES in Spring 2007. Fall 2006 had the lowest number of FTES (46) in the most recent four semesters.

All other Science disciplines combined (Astronomy, Bio Tech, Ecology, Marine Science, and Physics) accounted for 56 FTES in Fall 2007—a growth of 35% over Fall 2006.

SCIENCE

Six and a Half-Year Summary of Enrollments and FTES

FTES	Fall 01	Spr 02	Fall 02	Spr 03	Fall 03	Spr 04	Fall 04	Spr 05	Fall 05	Spr 06	Fall 06	Spr 07	Fall 07
Program	151.10	190.28	169.04	237.58	210.07	260.86	239.02	260.83	217.64	242.43	262.86	344.86	371.54
College	1679.16	1730.30	1691.80	1830.23	1639.79	1698.93	1668.38	1675.88	1703.25	1713.42	1844.86	2161.42	2327.36
% of College	9.00%	11.00%	9.99%	12.98%	12.81%	15.35%	14.33%	15.56%	12.78%	14.15%	14.25%	15.96%	15.96%



SCIENCE
Six and a Half-Year Summary of Enrollments and FTES

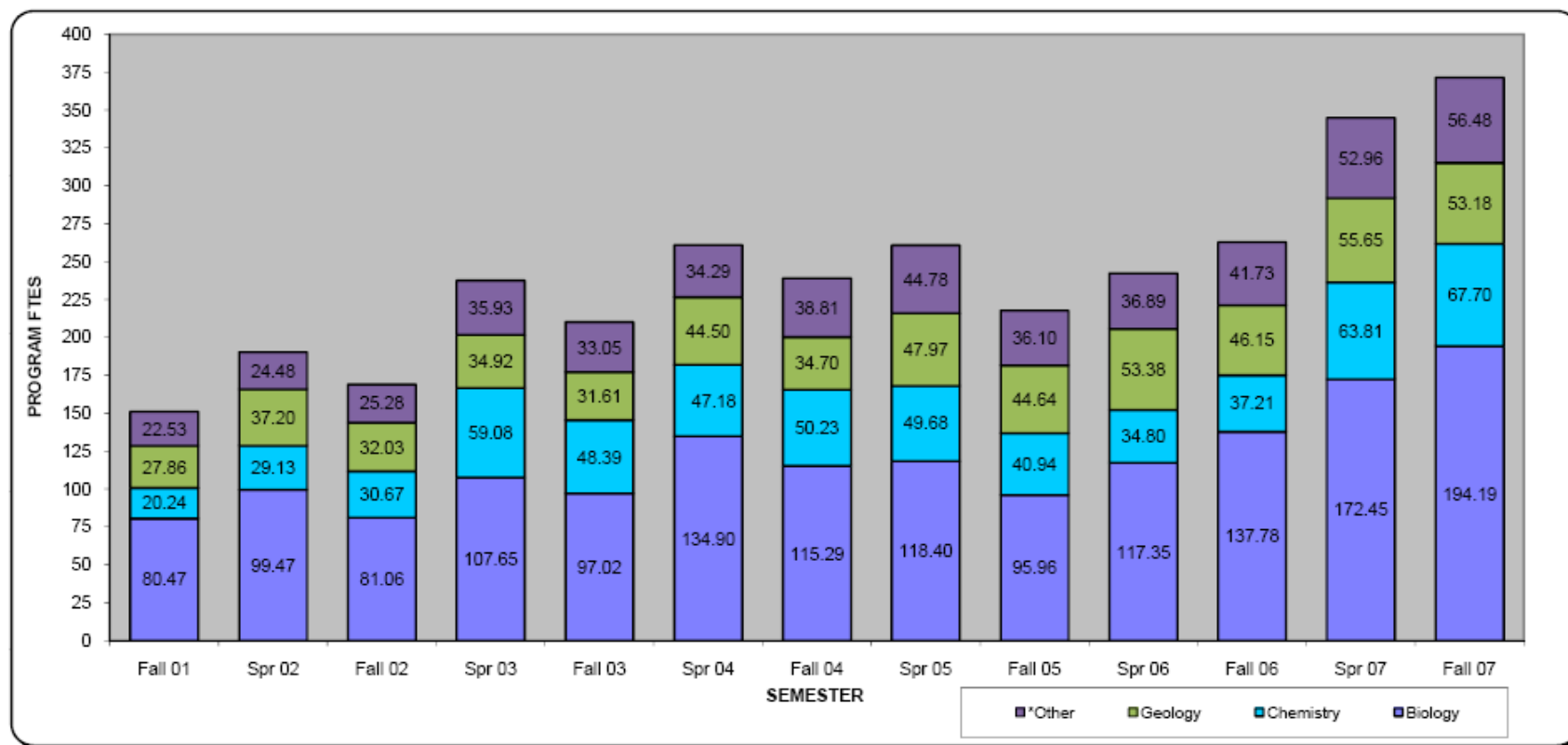
PROGRAM AND COLLEGE DATA	2001-02		2002-03		2003-04		2004-05		2005-06		2006-07		2007
	FALL 012	SPRING 013	FALL 022	SPRING 023	FALL 032	SPRING 033	FALL 042	SPRING 043	FALL 052	SPRING 053	FALL 062	SPRING 063	FALL 072
FTES													
Program	151.10	190.28	169.04	237.58	210.07	260.86	239.02	260.83	217.64	242.43	262.86	344.86	371.54
College	1679.16	1730.30	1691.80	1830.23	1639.79	1698.93	1668.38	1675.88	1703.25	1713.42	1844.86	2161.42	2327.36
Program as % of College	9.00%	11.00%	9.99%	12.98%	12.81%	15.35%	14.33%	15.56%	12.78%	14.15%	14.25%	15.96%	15.96%
Program Sections													
Total Sections Scheduled	28	32	29	30	23	29	33	32	34	40	56	57	69
Sections Cancelled	1	5	6	5	0	3	0	1	0	2	9	0	1
Sections (adjusted for concurrent/canc./co-op.)	27	27	23	25	23	26	33	31	34	38	47	57	68
Avg. Enroll. All Classes	64	74	78	98	94	106	72	90	66	71	60	66	54
Seat Count at Census													
Program	1716	2011	1796	2438	2166	2757	2388	2801	2238	2710	2824	3785	3651
College	15944	16213	16043	17053	15500	16243	15776	15699	15927	16188	17220	20458	21461
Program as % of College	10.8%	12.4%	11.2%	14.3%	14.0%	17.0%	15.1%	17.8%	14.1%	16.7%	16.4%	18.5%	17.0%
Seat Count at Semester End													
Program	1312	1602	1420	1931	1708	2217	1891	2298	1769	2228	2348	3296	3272
College	13327	13415	13193	13895	12673	12998	12915	12964	12829	13239	14418	17334	18534
Program as % of College	9.8%	11.9%	10.8%	13.9%	13.5%	17.1%	14.6%	17.7%	13.8%	16.8%	16.3%	19.0%	17.7%
Attrition (Cens. to End Seats)													
Program	23.5%	20.3%	20.9%	20.8%	21.1%	19.6%	20.8%	18.0%	21.0%	17.8%	16.9%	12.9%	10.4%
College	16.4%	17.3%	17.8%	18.5%	18.2%	20.0%	18.1%	17.4%	19.5%	18.2%	16.3%	15.3%	13.6%

SCIENCE

Six and a Half-Year Summary of Enrollments and FTES

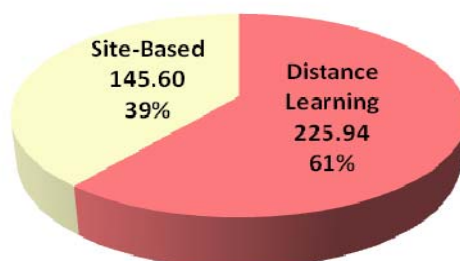
FTES	Fall 01	Spr 02	Fall 02	Spr 03	Fall 03	Spr 04	Fall 04	Spr 05	Fall 05	Spr 06	Fall 06	Spr 07	Fall 07
Biology	80.47	99.47	81.06	107.65	97.02	134.90	115.29	118.40	95.96	117.35	137.78	172.45	194.19
Chemistry	20.24	29.13	30.67	59.08	48.39	47.18	50.23	49.68	40.94	34.80	37.21	63.81	67.70
Geology	27.86	37.20	32.03	34.92	31.61	44.50	34.70	47.97	44.64	53.38	46.15	55.65	53.18
*Other	22.53	24.48	25.28	35.93	33.05	34.29	38.81	44.78	36.10	36.89	41.73	52.96	56.48
Total	151.10	190.28	169.04	237.58	210.07	260.86	239.02	260.83	217.64	242.43	262.86	344.86	371.54

*Other includes Astronomy, Bio Tech, Ecology, and Marine Science



In Fall 2007, almost 61% of all Science FTES were generated through distance learning classes.

Science Delivery Modes
Fall 2007 FTES



Contrary to the trend seen in most departments at Coastline, the Science Department has experienced a proportional growth in the percentage of FTES generated through site-based classes as compared to distance learning. In Spring 2005, site-based classes accounted for 10.5% of the program's FTES compared to 39.2% in Fall 2007.

Delivery Mode	F2004	SP2005	F2005	SP2006	F2006	SP2007	F2007
Site-Based	20.3%	10.5%	18.7%	16.4%	29.9%	30.7%	39.2%
Distance Learning	79.7%	89.5%	81.3%	83.6%	70.1%	69.3%	60.8%

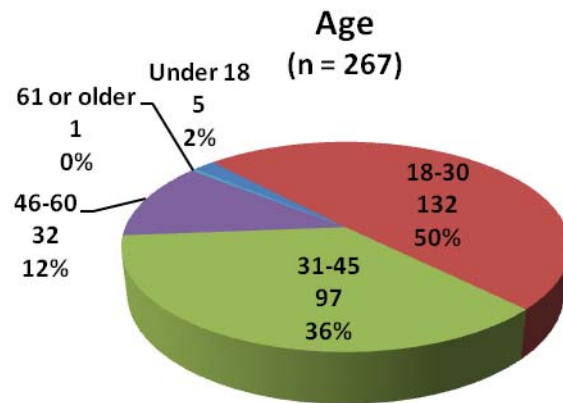
In addition to apportionment-generating classes, the Science Program offers a select group of courses through the Military Program. In the most recent five primary terms, military science classes have had an average enrollment of over 1700 seats per semester—the equivalent of 170 full-time students per semester.

Equivalent Full-Time Students in Military Program Science Classes

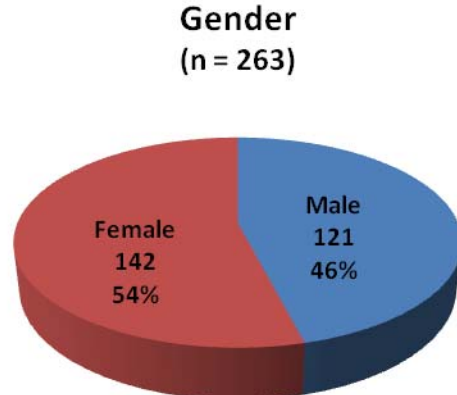
COURSE ID	Fall 2001	Spr 2002	Fall 2002	Spr 2003	Fall 2003	Spr 2004	Fall 2004	Spr 2005	Fall 2005	Spr 2006	Fall 2006	Spr 2007	Fall 2007
ASTRON 100	19.77	10.61	23.79	21.91	20.37	26.64	22.73	28.80	33.02	37.23	38.57	37.44	24.17
ASTRON100L	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASTRONOMY	19.97	10.61	23.79	21.91	20.37	26.64	22.73	28.80	33.02	37.23	38.57	37.44	24.17
BIOL 100	2.98	7.30	8.75	20.06	30.96	37.85	34.66	48.34	59.45	72.72	78.17	84.76	57.70
BIOL 101	0.14	0.41	0.38	0.45	0.96	0.89	0.62	0.58	0.96	1.68	1.82	2.47	2.30
BIOLOGY	3.12	7.72	9.12	20.50	31.92	38.74	35.28	48.93	60.41	74.40	79.99	87.22	60.00
ECOL 100	0.00	0.00	0.00	0.00	0.00	0.10	3.70	3.19	8.23	12.75	14.19	0.72	9.46
ECOLOGY	0.00	0.00	0.00	0.00	0.00	0.10	3.70	3.19	8.23	12.75	14.19	0.72	9.46
GEOL 100	0.00	0.00	0.00	0.00	3.91	8.64	12.45	18.00	20.68	25.00	32.50	36.62	28.90
GEOL 140	2.16	2.47	4.94	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GEOL 141	0.07	0.03	0.31	0.10	0.10	0.31	0.14	0.52	0.51	0.62	1.10	1.06	1.17
GEOLOGY	2.23	2.50	5.25	3.60	4.01	8.95	12.58	18.52	21.19	25.61	33.60	37.68	30.07
MAR SC 100	1.54	1.65	3.19	3.29	4.63	6.07	11.83	19.65	22.22	23.66	27.36	31.27	23.35
MARINE SCI	1.54	1.65	3.19	3.29	4.63	6.07	11.83	19.65	22.22	23.66	27.36	31.27	23.35
GRAND TOTAL	26.86	22.47	41.34	49.31	60.92	80.51	86.13	119.08	145.07	173.66	193.72	194.33	147.05

Student Elements

Based on survey responses, more than half the students enrolled in science classes (not including incarcerated) are under the age of 30. Thirty-six percent of the survey respondents indicated they are between 31-45 years of age.



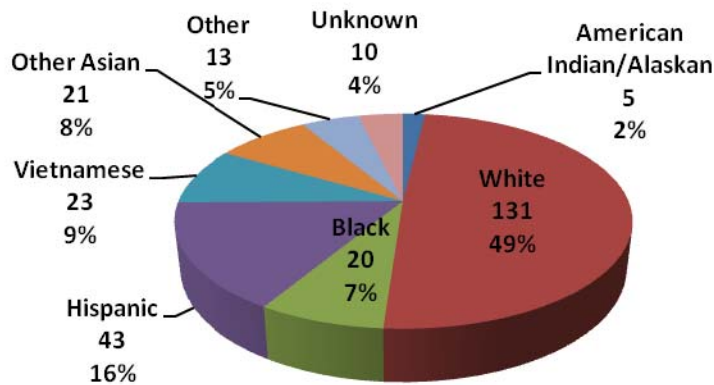
Data from survey respondents indicates that women outnumber men, with 54% of the survey respondents being women and 46%, men.



All science students who responded to the incarcerated student survey were males.

Survey results that although close to half of all students are white, the population is increasingly diverse. Based on survey results, Hispanic students now represent 16% of the students; Vietnamese, 9%; and other Asian, 8%.

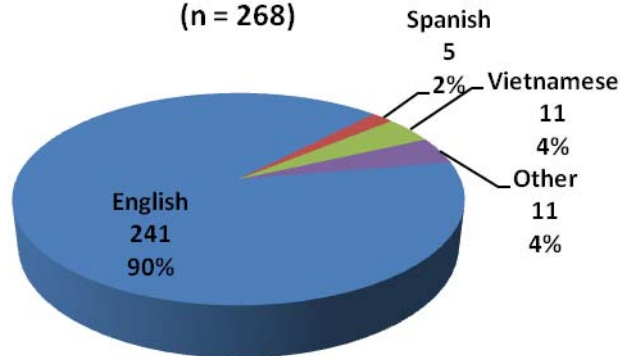
Ethnicity (n = 266)



Ethnic distribution among students responding to the incarcerated survey was not significantly different, though individuals who identified themselves as white represented 42% of the total group, and Hispanic students, 26%.

Ninety percent of the student survey respondents indicated that English is their primary language.

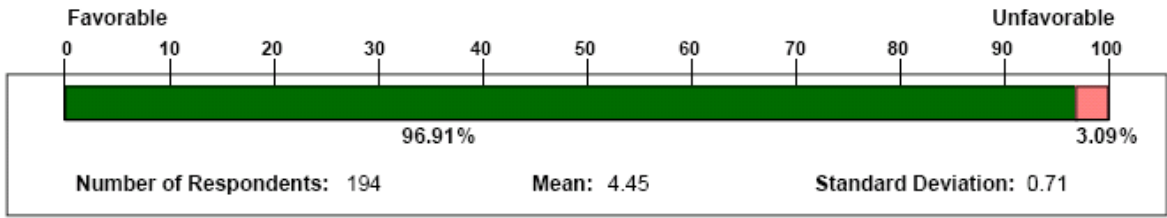
Primary Language (n = 268)



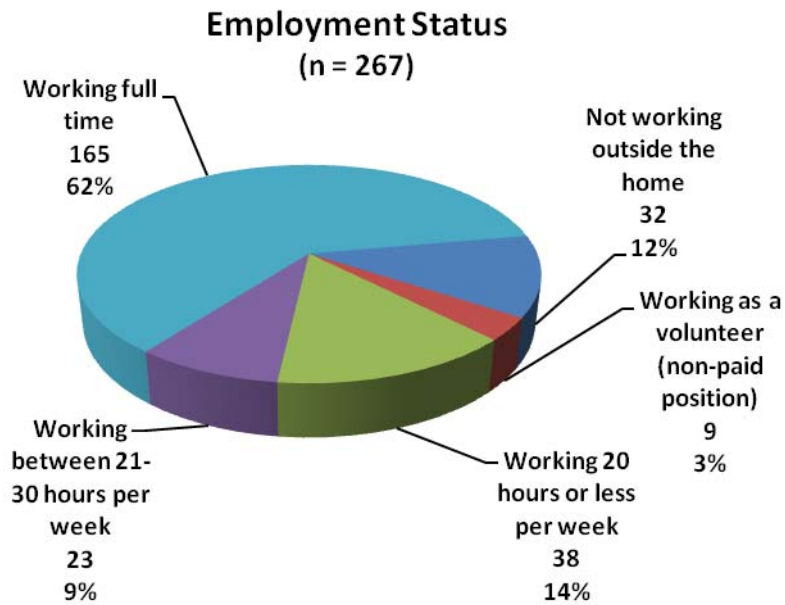
Eighty-four percent of incarcerated student survey respondents said English is their primary language, 6% said Spanish, 2% said Vietnamese, and 8% identified another language.

Important to note is that even with the increased ethnic diversity that the program is seeing, students are overwhelmingly satisfied with the faculty and staff responsiveness to the needs of culturally diverse students. Only 3% indicated any level of dissatisfaction.

General Satisfaction - Extent to which faculty and staff meet the needs of culturally diverse students

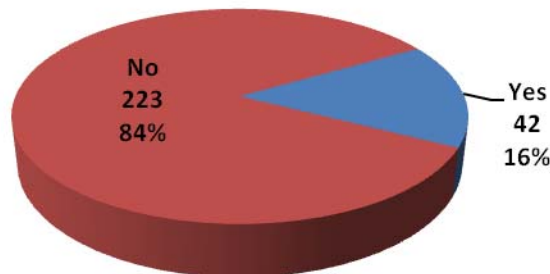


The majority of student survey respondents (62%) indicated that they are working full time. Only 12% of all respondents said that they are not working outside the home.



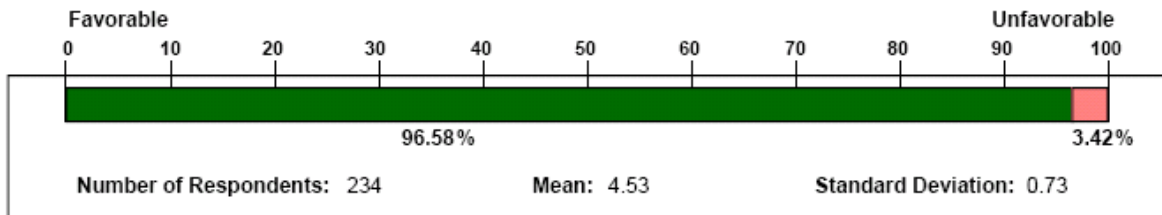
Driving up the percentage of students who said they are working full time is a growing number of military students taking science classes. Military students represented 16% of all student survey respondents.

Are you active duty military? (n = 265)

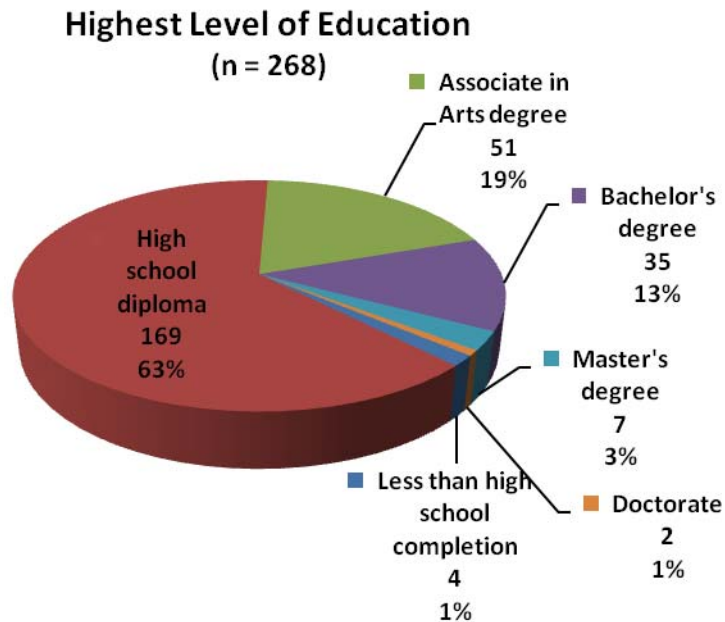


Almost 97% of all student survey respondents reported satisfaction with the responsiveness of faculty and staff to the needs of older students, working adults, and active duty military students.

General Satisfaction - Extent to which faculty and staff meet the needs of non-traditional students (e.g., older adults, working adults, active duty military, etc.)

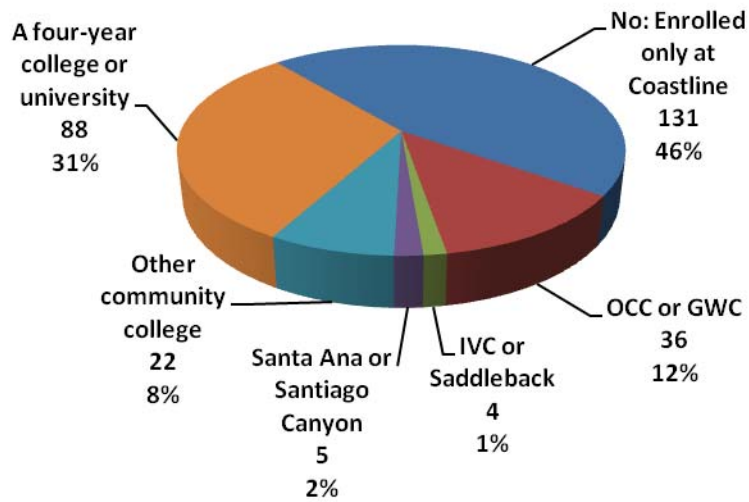


Although the majority of student survey respondents (64%) hold have not completed a college degree, 19% already have an associate's degree, and 17% hold a bachelor's or higher degree.

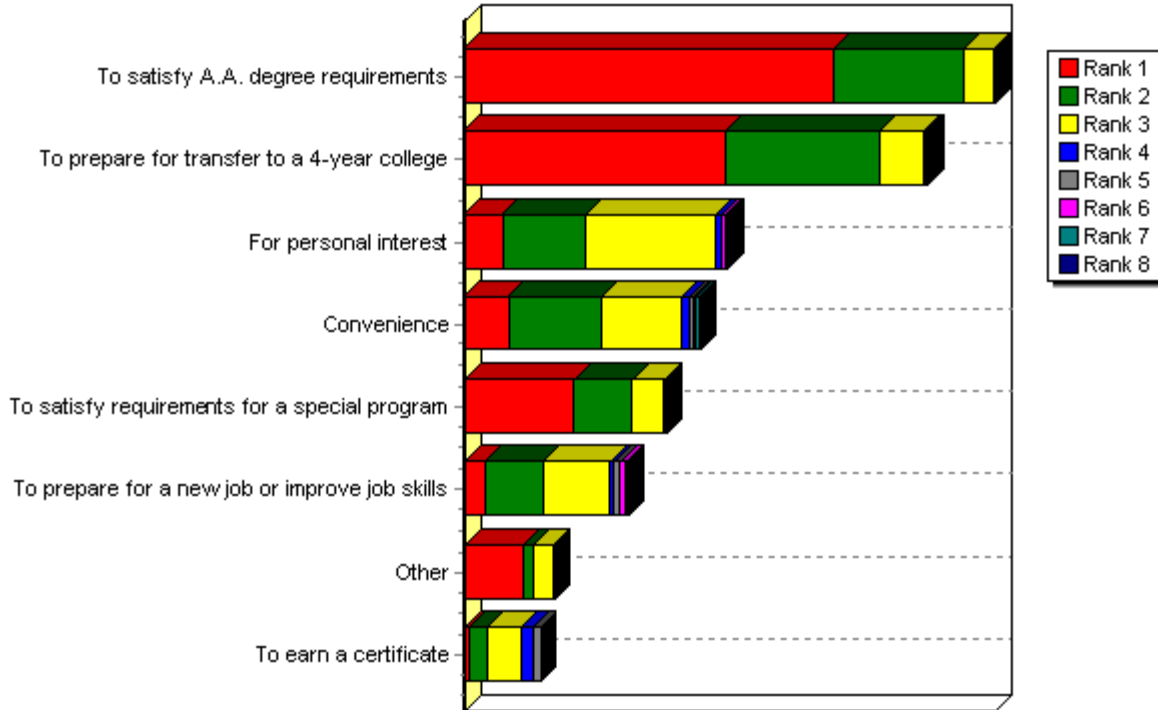


Almost half of all survey respondents taking Coastline science classes report that they are taking classes only at Coastline. A whopping 31%, however, are concurrently enrolled at a four-year college or university.

Enrolled at another college? (n = 286)



The reasons students are taking science classes at Coastline are varied. Most are taking the classes to satisfy A.A. requirements or to transfer to a four-year college or university. Satisfying admission requirements to a special program (e.g., nursing, etc.) received the third-highest number of first-place ranking votes.



The survey of incarcerated students was administered on paper and, thus, a rank-order question was not an option. Students were asked, however, to indicate their reasons for taking the courses in which they are enrolled. Of the 50 incarcerated students who

responded, 90% said they are taking the course to satisfy A.A. degree requirements. Fifty-two percent said they are taking the course to satisfy general education requirements for transfer, and the same percentage said they are taking the course for personal interest.

Cost Data

Coastline's Science Program has three full-time faculty who carry approximately 22% of the overall teaching load. Part-time teaching load totals more than 170 LHEs per semester—equivalent to almost 12 full-time equivalent faculty.

In addition to faculty, the program also uses hourly lab technicians to support the dedicated labs at Garden Grove and Le-Jao. In 2006-07, lab technician costs were just under \$9,000, but the remodeling of the Garden Grove lab and expansion of lab classes has increased support costs to over \$44,000 for 2007-08.

2007-08 Budget for Science Division		
Expenditure Category	2006-07	2007-08 (as of 4/24/08)
Faculty, full-time (3)	\$116,777	\$164,676
Faculty, part-time (approx. 25 per semester)	\$449,680	\$499,493
IUA stipend (department chair)	\$4,063	\$8,625
Hourly lab technicians	\$8,549	\$44,000
Benefits	\$79,221	\$101,529
Supplies	\$71,649	\$34,294
Equipment	\$124,172	\$4,894
Total Expenditures	\$854,111	\$857,511

The Science Program has a number of unmet budgetary needs and has submitted one-time budget allocation requests for 2008-09 for three specific components:

Science lab technicians (microbiology/chemistry)	\$44,000
New lab set up (microbiology/biotechnology)	\$26,000
Additional equipment (anatomy/physiology labs)	\$10,000
	<u>\$80,000</u>

Although the Science Program has higher than average program costs, the program has strong enrollments that accounted for almost 16% of the college's total credit FTES in Fall 2007. For the 2007-08 academic year, the Science Program will generate approximately 1,000 FTES and generate over \$4.3 million in apportionment revenues for the District.

Program Outcomes

Student Learning Outcomes

Coastline College has provided extensive student learning outcomes (SLO) training for faculty as well as interested administrators and staff. While not every faculty has attended training sessions (we have many part-time faculty who work at other institutions and we do not require that they attend training outside of their assigned hours), many faculty have attended and conveyed SLO training information to their peers. While it is true that not all

faculty have been trained in the creation and evaluation of robust course-level SLOs, key faculty have been identified by Department Chairs and trained in that area.

Faculty reported on the results of their SLO work for the first time during the Spring of 2008. To date, SLO assessment reports have been received for nine science classes: Biology 100, 101, 120, 170, and 210; Biotech 100; Ecology 100; Geology 100 and 141.

The results of that work will be presented and discussed in the discipline meetings at the Fall faculty meeting in 2008. Preliminary results indicate that additional SLO training will be required for faculty and that will be addressed in faculty discipline meetings in the 2008-2009 school year.

Program-level SLOs will be developed during the 2008-09 school year. Faculty will link course and program SLOs to college-wide SLOs as a part of the program SLO process. Key faculty, particularly department chairs, will be selected to write the program SLOs and design a rubric for their measurement.

The following data is representative of SLO work to date.

Course ID/Title Bio 100 Instructor(s) Randall Warwick

I	II	III	IV
Course or Program Robust Student Learning Outcomes	Assessment Method Include assessment method, & who, what, when, how	Assessment Results Report Include main findings, date, and report author(s)	Use of Results How will instructors modify instruction and/or assessment if appropriate? Include date of discussion
Students can evaluate problems and apply the scientific method appropriately	Multiple choice questions on the midterm, objective quiz questions, essay on midterm	Fall '07 assessed as satisfactory approximately 75% of students	We will address the topic at review sessions (DL format) and add more information to handbooks and websites.

Course ID/Title Bio 101 Instructor(s) Randall Warwick

I	II	III	IV
Course or Program Robust Student Learning Outcomes	Assessment Method Include assessment method, & who, what, when, how	Assessment Results Report Include main findings, date, and report author(s)	Use of Results How will instructors modify instruction and/or assessment if appropriate? Include date of discussion
Students evaluate situation and apply scientific method appropriately	Lab reports, objective quizzes, midterm essays	Fall 07 results almost 100% success.	There is only one instructor . He intends to keep the method intact.

Course ID/Title Bio 170 Instructor(s) Randall Warwick

I	II	III	IV
Course or Program Robust Student Learning Outcomes	Assessment Method Include assessment method, & who, what, when, how	Assessment Results Report Include main findings, date, and report author(s)	Use of Results How will instructors modify instruction and/or assessment if appropriate? Include date of discussion
When given correctly written anatomic descriptions, students create a mental image of anatomic features that is accurate,	Objective exams, oral quizzing, lab demonstrations.	Approximately 90% success rate.	Review strong results with faculty at Fall faculty meeting. Discuss methods to improve at that time.
When given anatomic features, students create correct written descriptions.	Objective exams, oral quizzing, lab demonstrations.	Approximately 90% success rate.	Review strong results with faculty at Fall faculty meeting. Discuss methods to improve at that time.

Other Student Outcomes

Analysis of Fall 2007 grade distribution in life science classes shows an overall student success rate of 72.1%, with success being students who received a grade of A, B, C, or CR. Biology 170 and Biology 210 led the way with success rates of 95.6% and 94.4% respectively. The lab for Marine Science 100(L) had the lowest success rate (48.5%).

Life Sciences			
Course	Census	Successful	Unsuccessful
BIOL 100	644	414	230
		64.3%	35.7%
BIOL 101	333	212	121
		63.7%	36.3%
BIOL 120	85	56	29
		65.9%	34.1%
BIOL 170	180	172	8
		95.6%	4.4%
BIOL 175	115	96	19
		83.5%	16.5%
BIOL 200	38	31	7
		81.6%	18.4%
BIOL 210	124	117	7
		94.4%	5.6%
ECOL 100	106	78	28
		73.6%	26.4%
MAR SC 100	140	104	36
		74.3%	25.7%
MAR SC 100L	33	16	17
		48.5%	51.5%
LIFE SCIENCES	1798	1296	502
		72.1%	27.9%

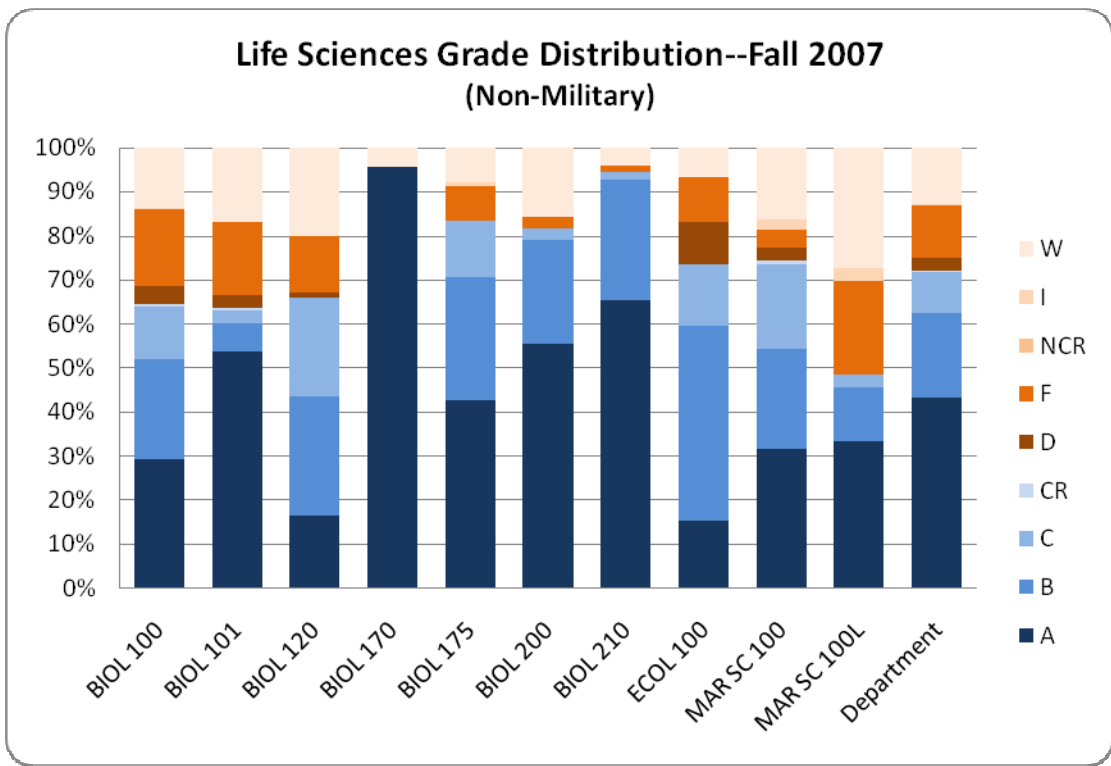
*Successful: A, B, C, CR; Unsuccessful: D, F, NCR, I, W (IPs are not included in Census or success calculations.)

Analysis of Fall 2007 grade distribution in the physical sciences shows an overall success rate of 64.5%. The highest student success rates were in Biotech 100 (84.2%), Chem 180 (81.9%), and Chem 185L (81.9%) and Chem 185 (81.2%). The lowest success rate was in Astronomy 100 (43.2%).

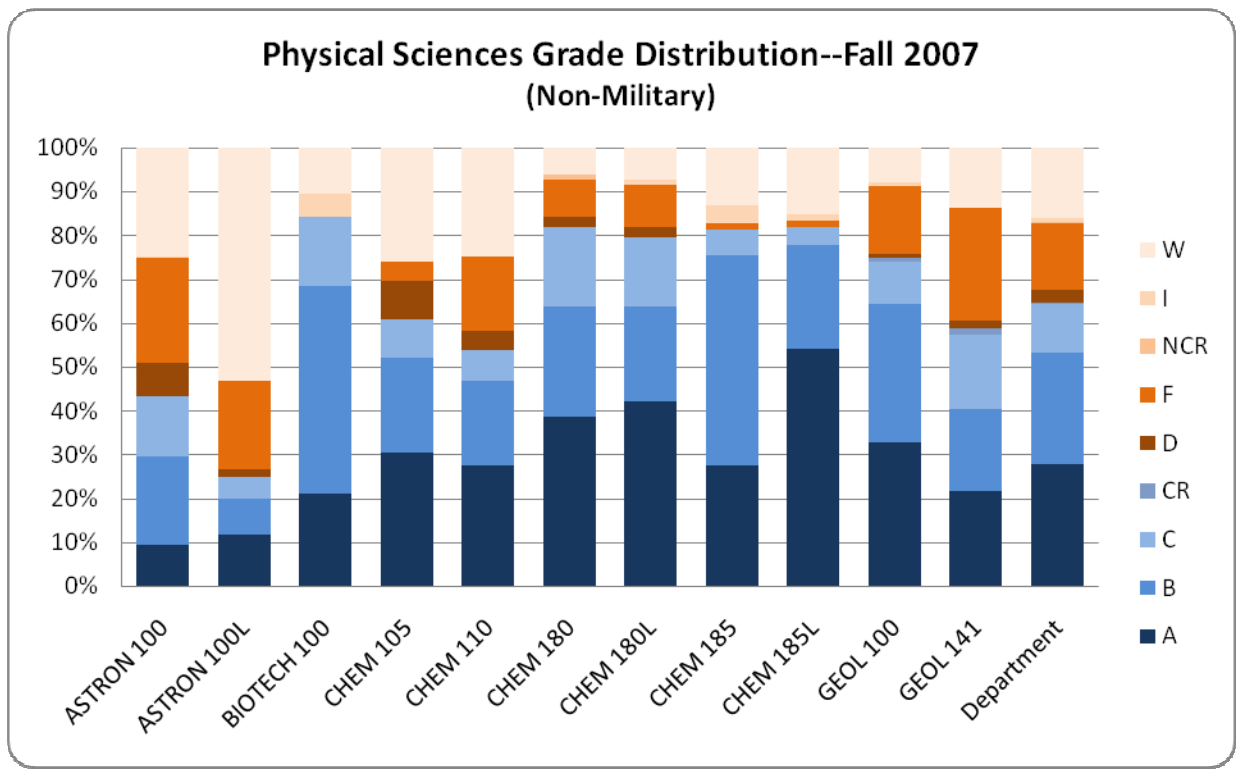
Physical Sciences			
Course	Census	Successful	Unsuccessful
ASTRON 100	257	111	146
		43.2%	56.8%
ASTRON 100L	60	15	45
		25.0%	75.0%
BIOTECH 100	19	16	3
		84.2%	15.8%
CHEM 105	23	14	9
		60.9%	39.1%
CHEM 110	160	86	74
		53.8%	46.3%
CHEM 180	83	68	15
		81.9%	18.1%
CHEM 180L	83	66	17
		79.5%	20.5%
CHEM 185	69	56	13
		81.2%	18.8%
CHEM 185L	72	59	13
		81.9%	18.1%
GEOL 100	483	361	122
		74.7%	25.3%
GEOL 141	124	73	51
		58.9%	41.1%
PHYSICAL SCIENCES TOTAL	1433	925	508
		64.5%	35.5%

*Successful: A, B, C, CR; Unsuccessful: D, F, NCR, I, W (IPs are not included in Census or success calculations.)

Grade distribution records for Fall 2007 show that for many classes (Biology 100, 101, and Marine Science 100L), most students who do not succeed are either dropping or receiving a grade of F. All students who completed Biology 170 received a grade of A.



In the Physical Sciences, the highest percentage of A grades were awarded students in Chem 185L, followed by Chem 180L and Chem 180. More than half of the unsuccessful students in Astronomy 100L were students who withdrew from the course.



Students enrolled in science classes through the Military Program had overall higher success rates (86.2% in Life Sciences and 79.1% in Physical Sciences); however, there are considerable differences between the FTES-generating program and the contract education program both in the scope of classes offered and in the way in student enrollment factors. (Military students receive tuition reimbursement for successful completion of classes—a strong motivator that reduces the number of withdrawals.)

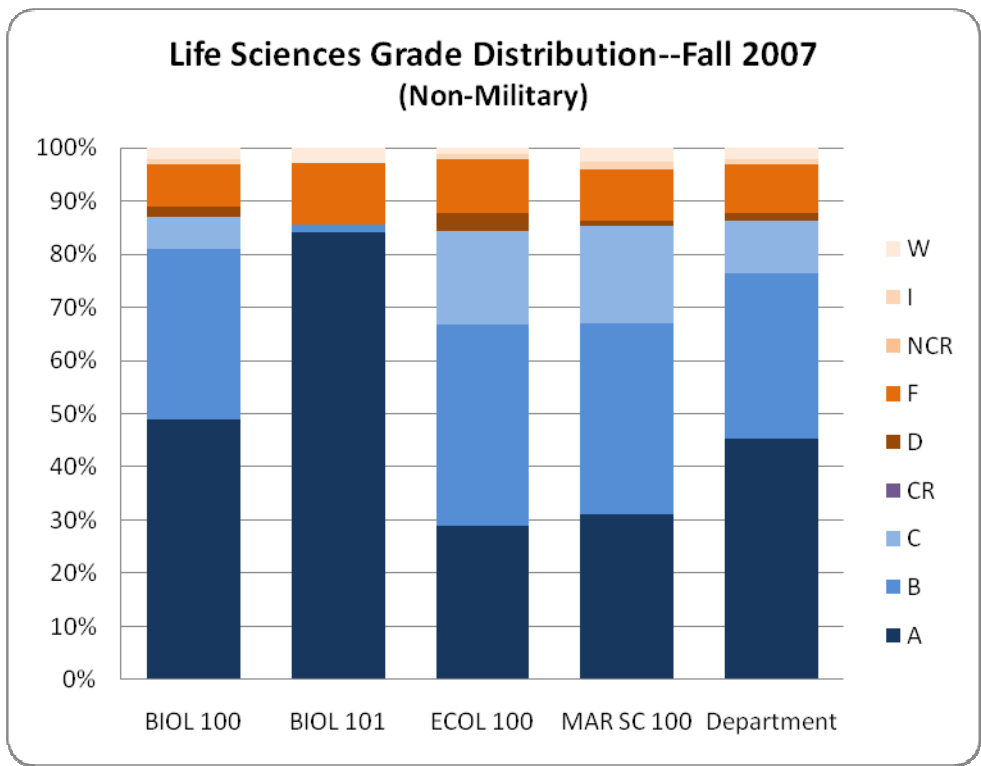
Life Sciences (Military)			
Course	Census	Success	Unsuccessful
BIOL 100	449	391	58
		87.1%	12.9%
BIOL 101	69	59	10
		85.5%	14.5%
ECOL 100	90	76	14
		84.4%	15.6%
MAR SC 100	197	168	29
		85.3%	14.7%
LIFE SCIENCES TOTAL	805	694	111
		86.2%	13.8%

*Successful: A, B, C, CR; Unsuccessful: D, F, NCR, I, W (IPs are not included in Census or success calculations.)

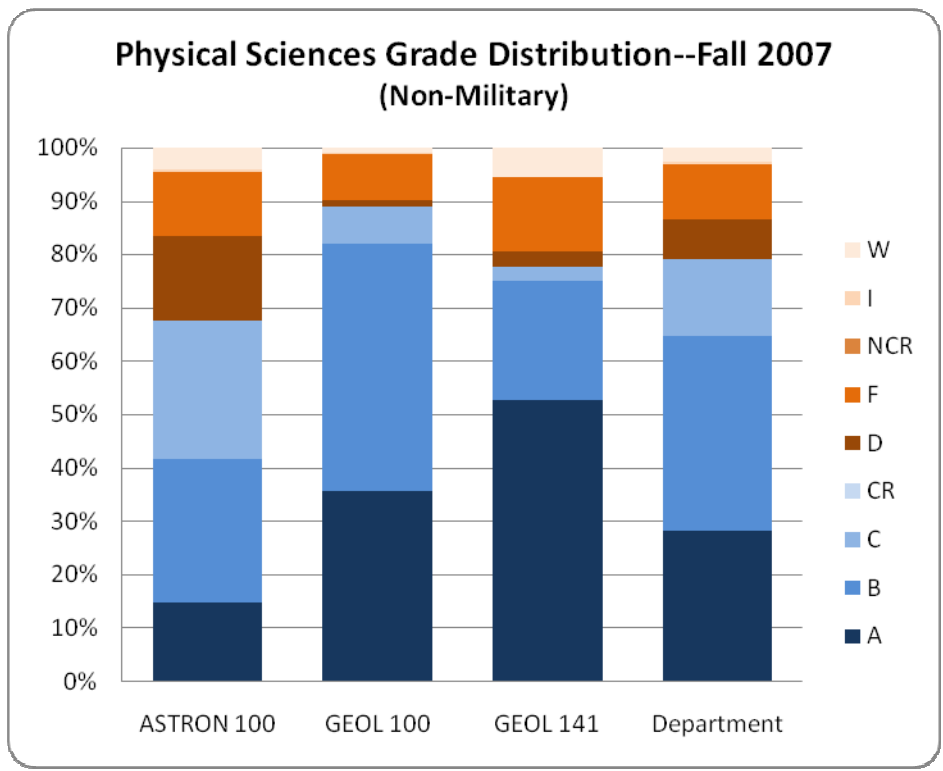
Physical Sciences (Military)			
Course	Census	Success	Unsuccessful
ASTRON 100	194	131	63
		67.5%	32.5%
GEOL 100	235	209	26
		88.9%	11.1%
GEOL 141	36	28	8
		77.8%	22.2%
PHYSICAL SCIENCES TOTAL	465	368	97
		79.1%	20.9%

*Successful: A, B, C, CR; Unsuccessful: D, F, NCR, I, W (IPs are not included in Census or success calculations.)

Analysis of grade distribution in Life Sciences military classes shows that, although a very high percentage of students succeeded, those who did not were more likely to receive an F grade than to drop.



In two of the three Physical Sciences classes offered to military students, unsuccessful students generally received a grade of F. In Astronomy, a slightly larger percentage received Ds, which, though passing, is not considered a successful grade.

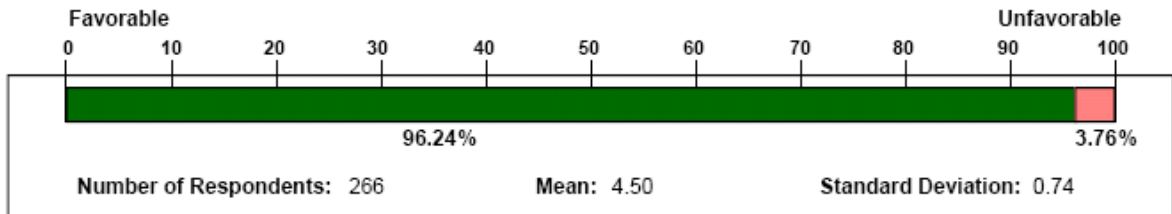


Overall we are pleased with our student success rate. Our grades almost always reflect dedication to student learning on the part of both faculty and students. We will examine sections with lower than expected grade distributions to facilitate improvement.

Student Satisfaction

Student survey respondents indicate a high level of satisfaction with Coastline's Science Program.

General Satisfaction - Overall quality of the program

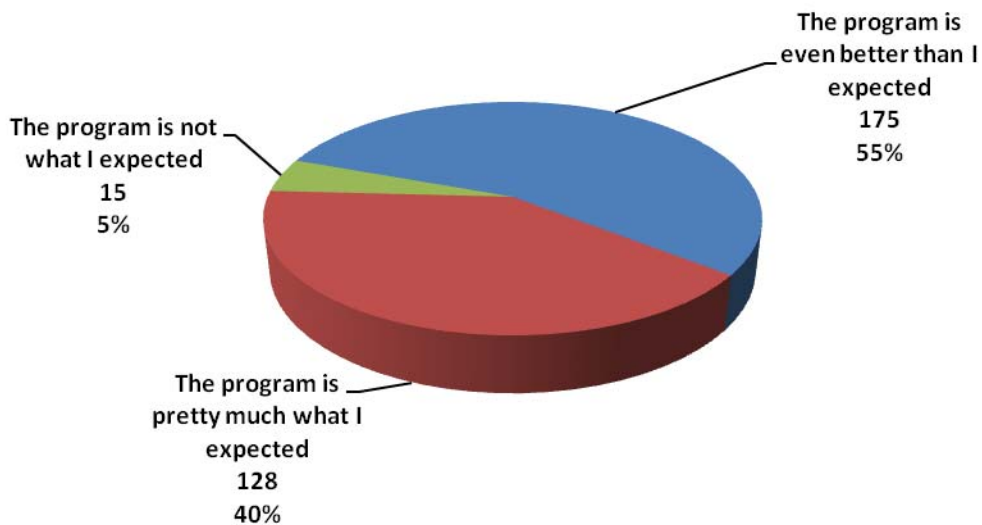


A similar level of satisfaction was found among science students who are incarcerated. Ninety-six percent indicated satisfaction with the quality of instruction.

Ninety-five percent of all students taking science classes (including military and incarcerated) reported that the course and/or program met or exceeded their expectations.

Did the courses/program meet your expectations?

(n = 318)



Only 5% of all respondents indicated that the program was not what they expected. Comments from these students included:

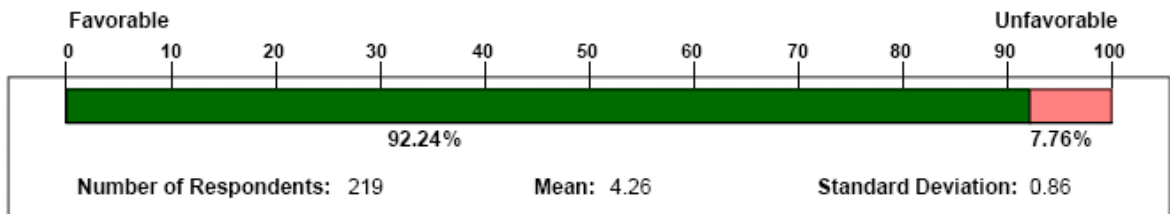
- I thought that there would be online lectures. The course was basically reading the book. I thought that there definitely could have been more to the course website.
- The class was a really bad experience. There was absolutely NO guidance from the professor--there were only lecture notes on chapter 1 from the textbook, the only materials we received was a syllabus posted online and even that had errors on it

(much of the material tested on in quizzes and exams was from sections of chapters that we were not instructed to read according to the syllabus), and there were errors on the quizzes....

- More support from faculty staff is needed for student success. As a self-study learning courses for on-line classes which fit well for working-students, I recommend the curriculum should provide more details for what's important from the text book for on-line student to focus from the reading instead of reading from A-Z from each chapter of the text book. I recommend more teacher-student contact individually for support of students' progress.

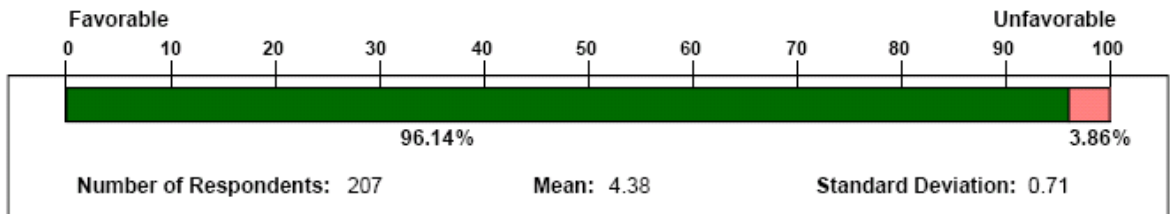
Of the 219 student survey respondents who expressed an opinion, 92.24% reported that they believed the caliber of their distance learning science course to be equal to or better than the quality of their classroom-based courses.

Distance Learning - Overall, the caliber of my distance learning Science course at Coastline is equivalent to or better than the quality of my classroom-based courses.



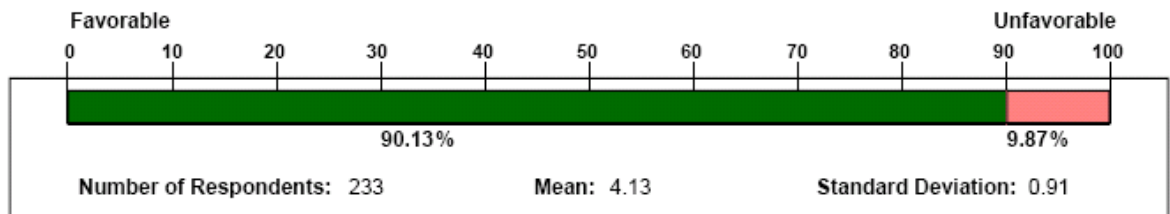
An even larger percentage (96.14%) said they felt their DL science courses were of equal or better quality than other distance learning courses.

Distance Learning - The caliber of the distance learning Science courses at Coastline is equivalent to or better than the quality of other distance learning courses of which I am aware.



Although 30% of the student survey respondents indicated that they do not have less interaction with their distance learning instructors than with their classroom instructors, and 28% said they have less interaction with their peers, only 10% indicated dissatisfaction with the amount of interaction they have in their distance learning science classes.

Distance Learning - I am satisfied with the amount of interaction I have with the instructor and with fellow students in my distance learning Science class(es).



Only 74% of incarcerated students reported satisfaction with the amount of interaction they have with their instructors. More than one-third of incarcerated students said that their letters to their instructors were “never answered.”

Ninety-six percent of the incarcerated student survey respondents did, however, report satisfaction with their own success in the program.

Students on “My Most Positive Experience”

- *I have taken two science classes at coastline so far. Based on my experiences I have been very happy with the outcome of them. I took biology 100 and the lab and I took Geology 100, they both were really good classes and I learned and really enjoyed the classes. The instructors were very good as well and were very easy to communicate with and easy to reach if I had any questions or needed help. I was very pleased with both courses.*
- *Science programs at Coastline seem to flow smoothly. You know what's expected of you right from the beginning.*
- *Great Geology instructor. Also, excellent reading material. I was impressed with the online course.*
- *I really enjoyed my teacher Ms. Secord. I don't think I enjoyed a distance-learning teacher as much as her. I knew that she cared that I was being educated, and understanding the material...*
- *Professor Gutierrez has been one of the best professors i have ever had, including my time at a 4 year university*
- *Professor Alexander in the chem department is one of the funniest, coolest, most helpful professor. I learned so much just from attending labs.*
- *The flexibility of the instructors has been wonderful. They understand that sometimes my commitments conflict, and provide solutions.*
- *This was my first time to take Astronomy so I really learned a lot! The teacher's timeliness responses were GREAT too.*
- *My only and the most recent experience in Science classes in Coastline is the Biology class, and my professor is Professor Warwick. I am very happy and satisfied with my class. It is better than I expected!*
- *My most positive experience that I had in Coastline College is the friendly of the instructor. When I don't understand the material, I feel really comfortable when I ask my instructor and she explains everything for me.*
- *Since I work full time and have other activities on the side, Coastline gives me the opportunity to be flexible. I love the Biology class because it was easy to understand, yet challenging. Professor Warwick had a unique way of teaching that was very beneficial.*
- *For me the most positive experience in Coastline classes was Biology class. It's just fascinating.*
- *Coastline has boosted my confidence in myself and has made me realize how fun learning can be. Just taking my first class felt wonderful to me. Everything that I've learned so far is wonderful. I feel the growth within myself. It feels good to be back in school after all these years.*

Conclusions

Our science program has shown historic strength in distance learning formats. We have a reputation among students for high quality distance learning offerings, as do all programs within Coastline. Our faculty have developed online labs that have been adopted by several local colleges, as well as others outside our area. We feel that DL offerings will continue as a strength of our department into the foreseeable future.

We have continued to increase and improve our in-class lab-based science offerings with great student success. However, we believe that we must add personnel to maintain and improve the current status of our lab rooms. In addition, the demand has been so strong for our live lab-based classes that we believe we must add more lab space to accommodate student need.

The current certificate in biotechnology has had difficulty in attracting students but with attention may be able to succeed as a small specialized area. The certificate and its goals may, however, need to be re-examined and perhaps more closely aligned with goals related to transfer majors in both biology and chemistry. Those goals could be addressed as an integral part of the major's development. Department plans require working closely with our peers at the local four-year institutions in the development of our majors' program.

Recommendations

Because calculus is required by biology and chemistry majors, the Science Program recommends that the Math Department continue to offer a math major's course in calculus.

Many of the goals identified in the following section of the report are dependent on budget decisions outside of our departmental control. Budget allocations that address the larger picture of the college and the students who attend it will have wide-range benefits. We believe that, if the college financially supports the creation of major programs in the sciences, our student population will change to reflect more traditional transfer student demographics. Since that change would certainly affect other areas of the college, it should be addressed.

Goals

Progress on Prior Goals

Goals from Self-Review

1. Increase the total number of courses offered

A number of new courses have been developed since the last Program Review. These include:

Biology 175 Human Physiology (May 2006)
Biology 200 Pharmacology (May 2000)
Biology 210 Introduction to Microbiology (February 2007)
Biotechnology 100 Introduction to Biological Technology(April 2005)
Biotechnology 105 Biological Technology Skills II (April 2005)
Biotechnology 110 Overview of Quality Assurance (May 2007)
Chemistry 105 Chemistry Explorations for Teachers (August 2002)

Geology 130 California Geology (October 2006)
Geology 141 Geology Lab

2. Secure the appointment of a second full-time faculty member in the physical sciences who can manage and oversee the Garden Grove laboratory facility and lead in developing programs in the Science Department

The Science Program has added two new full-time instructors since the last review: Ted Marcus, Chemistry, who oversees the Garden Grove lab, and Pedro Gutierrez, Biological Sciences.

3. Develop a certification or A.A. major sequence in laboratory technologies

A new Biological Technology Certificate (Biotech) was added in 2007-08 to prepare individuals to work as biological laboratory technicians. The certificate consists of 25 units of coursework in chemistry, biology, and biotechnology.

Recommendations from Program Review Steering Committee

1. Explore certificate program options and explore combining certificate with A.A. transfer degree to CSU in related major subject areas where compatible

The Biological Technology Certificate was developed and an area of emphasis for the A.A. degree was established in Spring 2008.

New Five-Year Goals

Our five-year plan is to improve and expand our program. To accomplish this, we have identified eleven goals:

1. Hire a full-time lab facilitator
2. Increase lab space
3. Hire a full-time physiology instructor
4. Hire an additional full-time chemistry instructor
5. Develop and offer a course in organic chemistry
6. Develop and offer a major in chemistry
7. Develop and offer a major in biology
8. Update all Science curriculum by Fall 2008
9. Explore methods for improving student retention and success
10. Closely monitor enrollments in the Biotech Program and explore methods for strengthening the certificate program
11. Continue work on student learning outcomes by identifying program-level outcomes, mapping course-level outcomes to program outcomes, developing specific assessment plans and methodologies for each course, conducting assessments, documenting results, and developing a regular schedule to review results and implement needed changes



Count and Percent

Science Program Review Faculty Survey 2007

Count Percent

At which location are you currently teaching classes in this program? Respondents: 20

(Mark all that apply, including Military Program classes.)

Coastline Costa Mesa Center	3	15.00 %
Coastline Garden Grove Center	4	20.00 %
Coastline Le-Jao Center in Westminster	8	40.00 %
Fountain Valley High School	1	5.00 %
Military Program	4	20.00 %
Online	9	45.00 %
TV/Cable	2	10.00 %
Other	2	10.00 %
Total Responses	33	100 %

To the best of your knowledge, do you have any incarcerated students enrolled in any of your Coastline science classes? Respondents: 20

Yes	5	25.00 %
No	9	45.00 %
Don't know	6	30.00 %
Total Responses	20	100 %

General Satisfaction - Currency of the curriculum Respondents: 20

Very satisfied	10	50.00 %
Satisfied	10	50.00 %
Total Responses	20	100 %

General Satisfaction - Variety of classes Respondents: 20

Very satisfied	4	20.00 %
Satisfied	10	50.00 %
Dissatisfied	4	20.00 %
Don't know or N/A	2	10.00 %
Total Responses	20	100 %

General Satisfaction - Relevance of classes to academic and vocational needs of students Respondents: 20

Very satisfied	9	45.00 %
Satisfied	10	50.00 %
Don't know or N/A	1	5.00 %
Total Responses	20	100 %

Count and Percent

Science Program Review Faculty Survey 2007

	Count	Percent
General Satisfaction - Delivery modes appropriate to student needs	Respondents: 20	
Very satisfied	10	50.00 %
Satisfied	9	45.00 %
Dissatisfied	1	5.00 %
Total Responses	20	100 %

General Satisfaction - Opportunity for faculty to participate in curriculum review and program development	Respondents: 20	
Very satisfied	7	35.00 %
Satisfied	5	25.00 %
Dissatisfied	4	20.00 %
Very dissatisfied	1	5.00 %
Don't know or N/A	3	15.00 %
Total Responses	20	100 %

General Satisfaction - Adequacy of instructional facilities	Respondents: 20	
Very satisfied	5	25.00 %
Satisfied	9	45.00 %
Dissatisfied	4	20.00 %
Very dissatisfied	1	5.00 %
Don't know or N/A	1	5.00 %
Total Responses	20	100 %

General Satisfaction - General instructional equipment (audio-visual, instructor classroom computer and projector, etc.)	Respondents: 20	
Very satisfied	5	25.00 %
Satisfied	9	45.00 %
Dissatisfied	5	25.00 %
Don't know or N/A	1	5.00 %
Total Responses	20	100 %

General Satisfaction - Laboratory equipment Respondents: 20

Count and Percent

Science Program Review Faculty Survey 2007

	Count	Percent
General Satisfaction - Laboratory equipment	Respondents: 20	
Very satisfied	3	15.00 %
Satisfied	8	40.00 %
Dissatisfied	4	20.00 %
Very dissatisfied	1	5.00 %
Don't know or N/A	4	20.00 %
Total Responses	20	100 %

General Satisfaction - Support for the program and classes from Dean and area support staff	Respondents: 20	
Very satisfied	10	50.00 %
Satisfied	7	35.00 %
Dissatisfied	3	15.00 %
Total Responses	20	100 %

General Satisfaction - Extent to which faculty and staff meet the needs of culturally diverse students	Respondents: 19	
Very satisfied	7	36.84 %
Satisfied	9	47.37 %
Don't know or N/A	3	15.79 %
Total Responses	19	100 %

General Satisfaction - Extent to which faculty and staff meet the needs of non-traditional students (e.g., older adults, working adults, active duty military, etc.)	Respondents: 20	
Very satisfied	7	35.00 %
Satisfied	10	50.00 %
Dissatisfied	1	5.00 %
Don't know or N/A	2	10.00 %
Total Responses	20	100 %

General Satisfaction - Overall quality of the program	Respondents: 20	
Very satisfied	7	35.00 %
Satisfied	13	65.00 %
Total Responses	20	100 %

Count and Percent

Science Program Review Faculty Survey 2007

	Count	Percent
General Satisfaction - Your own success teaching in the program	Respondents: 20	
Very satisfied	8	40.00 %
Satisfied	12	60.00 %
Total Responses	20	100 %

	Count	Percent
Distance Learning - Overall, the caliber of the distance learning science courses at Coastline is equivalent to or better than the quality of other distance learning courses of which you are aware.	Respondents: 10	
Strongly agree	2	20.00 %
Agree	5	50.00 %
Disagree	1	10.00 %
Don't know or n/a	2	20.00 %
Total Responses	10	100 %

	Count	Percent
Distance Learning - I have as much or more interaction with students in my distance learning courses as I do with students in classroom-based courses.	Respondents: 10	
Strongly agree	3	30.00 %
Agree	3	30.00 %
Disagree	3	30.00 %
Strongly disagree	1	10.00 %
Total Responses	10	100 %

	Count	Percent
Distance Learning - I am satisfied with the amount of interaction I have with the students in my distance learning course.	Respondents: 10	
Strongly agree	3	30.00 %
Agree	5	50.00 %
Strongly disagree	1	10.00 %
Don't know or n/a	1	10.00 %
Total Responses	10	100 %

	Count	Percent
Distance Learning - The technology used to deliver my distance learning course has been reliable.	Respondents: 10	
Strongly agree	3	30.00 %
Agree	4	40.00 %
Disagree	1	10.00 %
Strongly disagree	2	20.00 %
Total Responses	10	100 %

Count and Percent

Science Program Review Faculty Survey 2007

	Count	Percent
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Distance Learning - The support I receive from the Distance Learning Department meets my needs. Respondents: 10

Strongly agree	3	30.00 %
Agree	5	50.00 %
Disagree	2	20.00 %

Total Responses	10	100 %
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You indicated that you teach classes in Coastline's Military Program. Are you satisfied with the way in which you are able to deliver instruction for military students? Respondents: 4

Very satisfied	2	50.00 %
Satisfied	2	50.00 %

Total Responses	4	100 %
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The support I receive from the Military Program staff meets my needs. Respondents: 4

Strongly agree	3	75.00 %
Agree	1	25.00 %

Total Responses	4	100 %
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You indicated that you have incarcerated students enrolled in one or more of your classes. Are you satisfied with the way in which you are able to deliver instruction for incarcerated students? Respondents: 5

Very satisfied	1	20.00 %
Satisfied	3	60.00 %
Dissatisfied	1	20.00 %

Total Responses	5	100 %
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Methods Used for Assessing SLOs - Participation Respondents: 20

Frequently	17	85.00 %
Sometimes	3	15.00 %

Total Responses	20	100 %
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Methods Used for Assessing SLOs - Objective tests (multiple choice, true/false, short answer, etc.) Respondents: 20

Frequently	19	95.00 %
Sometimes	1	5.00 %

Total Responses	20	100 %
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Count and Percent

Science Program Review Faculty Survey 2007

	Count	Percent
Methods Used for Assessing SLOs - Skill demonstration		
	Respondents: 20	
Frequently	9	45.00 %
Sometimes	8	40.00 %
Rarely	1	5.00 %
Not at all	2	10.00 %
Total Responses	20	100 %
Methods Used for Assessing SLOs - Essay tests		
	Respondents: 19	
Frequently	8	42.11 %
Sometimes	3	15.79 %
Rarely	5	26.32 %
Not at all	3	15.79 %
Total Responses	19	100 %
Methods Used for Assessing SLOs - Case studies		
	Respondents: 19	
Frequently	2	10.53 %
Sometimes	8	42.11 %
Rarely	6	31.58 %
Not at all	3	15.79 %
Total Responses	19	100 %
Methods Used for Assessing SLOs - Individual projects		
	Respondents: 19	
Frequently	9	47.37 %
Sometimes	4	21.05 %
Rarely	4	21.05 %
Not at all	2	10.53 %
Total Responses	19	100 %
Methods Used for Assessing SLOs - Group projects		
	Respondents: 20	
Frequently	8	40.00 %
Sometimes	6	30.00 %
Rarely	1	5.00 %
Not at all	5	25.00 %
Total Responses	20	100 %

Count and Percent

Science Program Review Faculty Survey 2007

	Count	Percent
Methods Used for Assessing SLOs - Report of application of knowledge/skill to daily life		
Respondents: 20		
Frequently	8	40.00 %
Sometimes	7	35.00 %
Rarely	4	20.00 %
Not at all	1	5.00 %
Total Responses	20	100 %

Methods Used for Assessing SLOs - Pre and post tests of abilities		
Respondents: 20		
Frequently	10	50.00 %
Sometimes	5	25.00 %
Rarely	3	15.00 %
Not at all	2	10.00 %
Total Responses	20	100 %

Methods Used for Assessing SLOs - Portfolios		
Respondents: 19		
Frequently	1	5.26 %
Sometimes	2	10.53 %
Rarely	5	26.32 %
Not at all	11	57.89 %
Total Responses	19	100 %

What steps, if any, have you taken to incorporate student learning outcomes (SLOs) into your course? (Mark all that apply.)		
Respondents: 19		
I haven't yet identified expected student learning outcomes.	3	15.79 %
I am working with other faculty in my discipline to identify expected SLOs.	1	5.26 %
I have identified expected SLOs.	12	63.16 %
I have updated my course outline(s) to include expected SLOs.	8	42.11 %
I have developed a plan for assessing SLOs.	6	31.58 %
I have assessed students based on expected SLOs.	12	63.16 %
I use results from SLO assessments to modify my instruction.	5	26.32 %
Total Responses	47	100 %

In which of the following professional development activities have you participated within the past three years? (Mark all that apply.) Respondents: 20

Count and Percent

Science Program Review Faculty Survey 2007

	Count	Percent
In which of the following professional development activities have you participated within the past three years? (Mark all that apply.)		
	Respondents: 20	
CCC General Faculty Meeting	17	85.00 %
Discipline-related workshops	9	45.00 %
Technology-related workshops	13	65.00 %
Student learning outcomes workshops/training	5	25.00 %
Other workshops	9	45.00 %
Membership in professional associations	13	65.00 %
Professional conferences	13	65.00 %
Graduate classes/program	4	20.00 %
Other classes	2	10.00 %
Professional training	9	45.00 %
Discipline-related reading	12	60.00 %
Technology-related reading	12	60.00 %
Total Responses	118	100 %

Listing of "other" Responses by Question

Science Program Review Faculty Survey 2007

Question: At which location are you currently teaching classes in this program? (Mark all that apply, including Military Program classes.)

* independent study lab

* Independent-study

Question: Please rank the delivery formats in which you prefer to teach science classes.

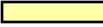
* lab

* Independent-study

Favorable/Unfavorable Report

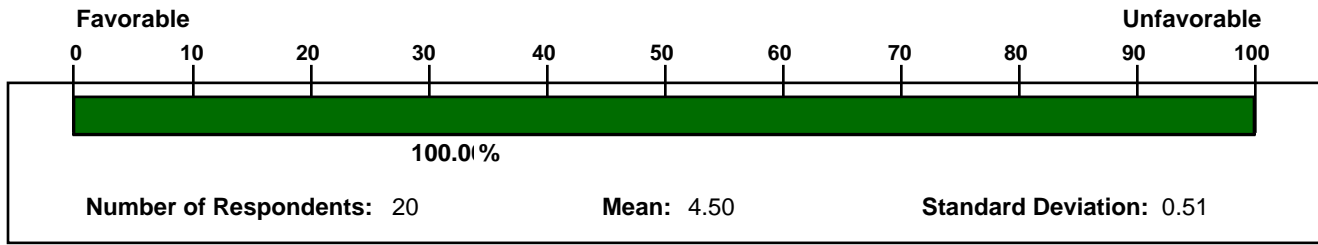
Science Program Review Faculty Survey 2007

Favorable 

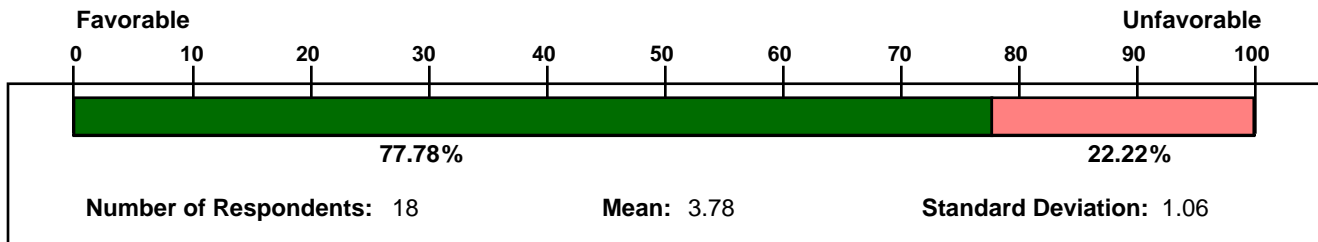
Neutral 

Unfavorable 

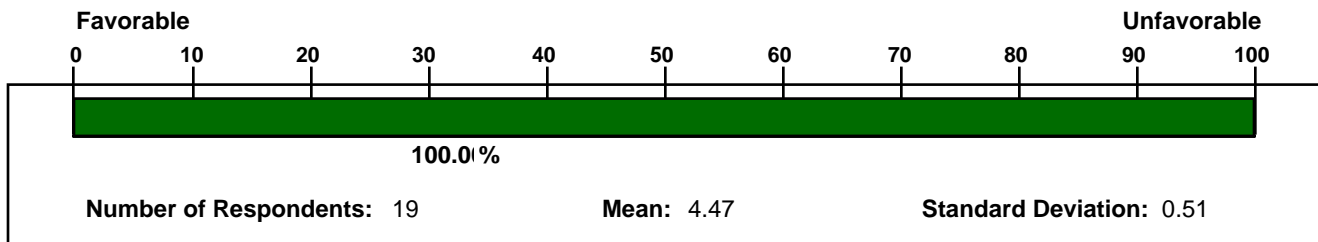
General Satisfaction - Currency of the curriculum



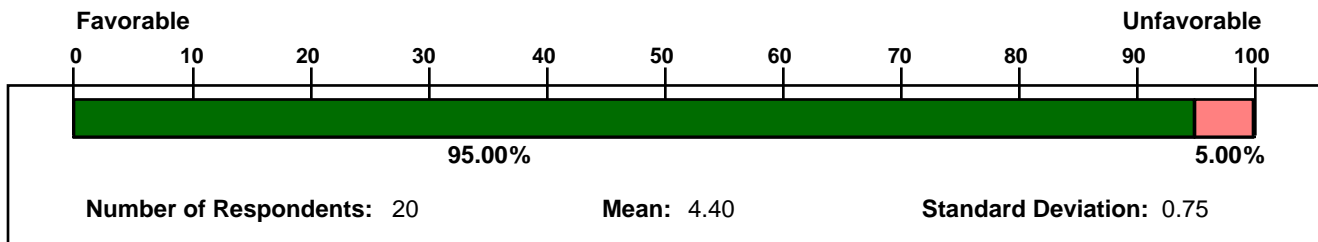
General Satisfaction - Variety of classes



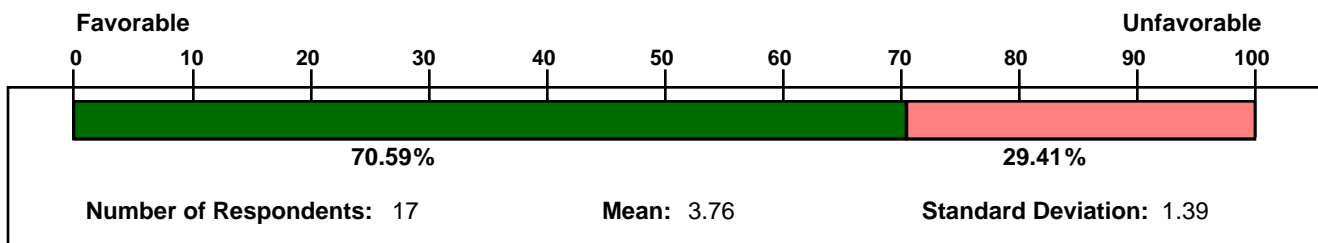
General Satisfaction - Relevance of classes to academic and vocational needs of students



General Satisfaction - Delivery modes appropriate to student needs



General Satisfaction - Opportunity for faculty to participate in curriculum review and program development



Favorable/Unfavorable Report

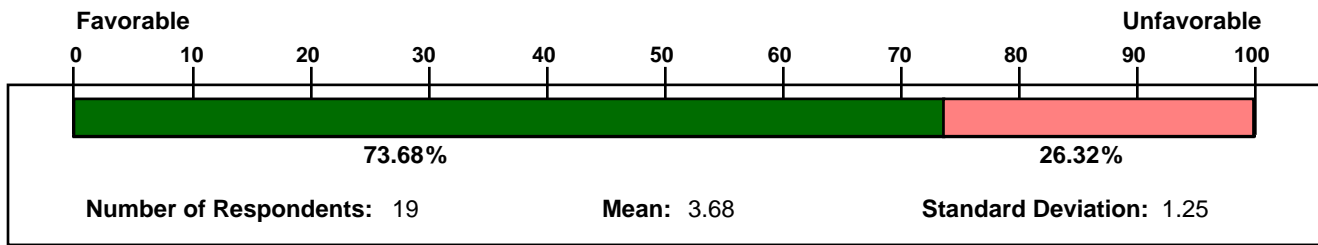
Science Program Review Faculty Survey 2007

Favorable 

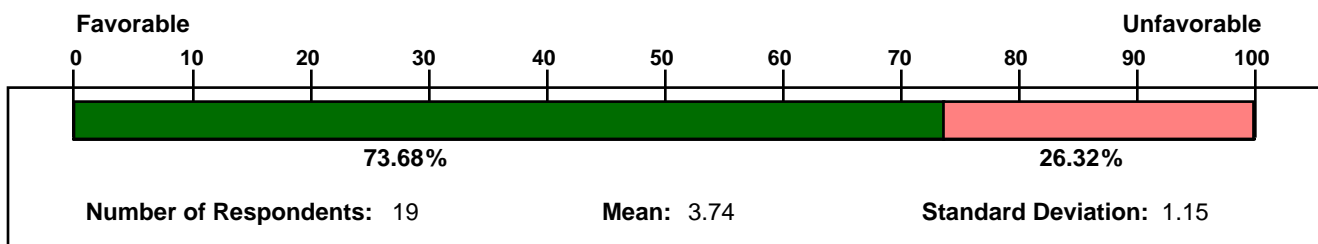
Neutral 

Unfavorable 

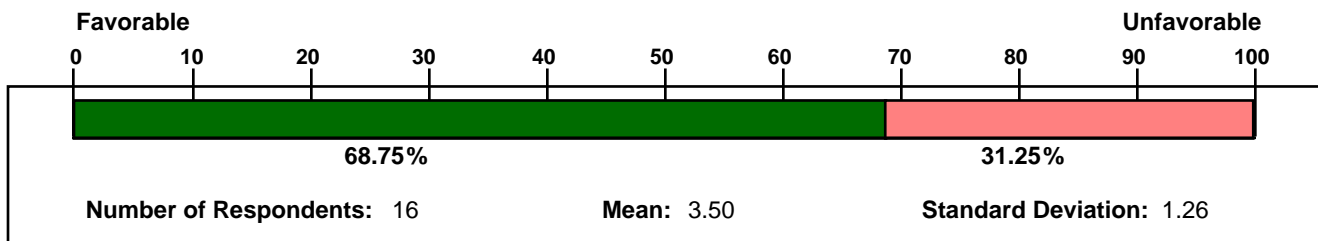
General Satisfaction - Adequacy of instructional facilities



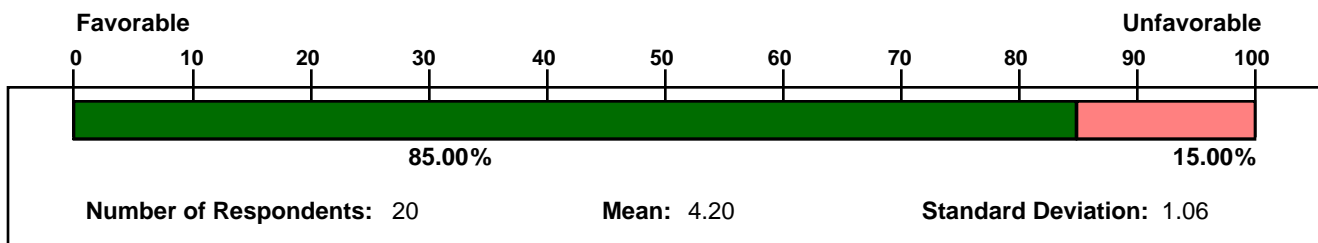
General Satisfaction - General instructional equipment (audio-visual, instructor classroom computer and projector, etc.)



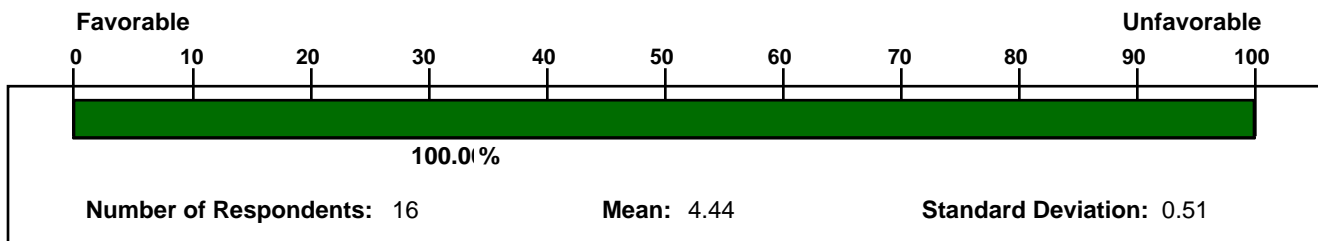
General Satisfaction - Laboratory equipment



General Satisfaction - Support for the program and classes from Dean and area support staff



General Satisfaction - Extent to which faculty and staff meet the needs of culturally diverse students



Favorable/Unfavorable Report

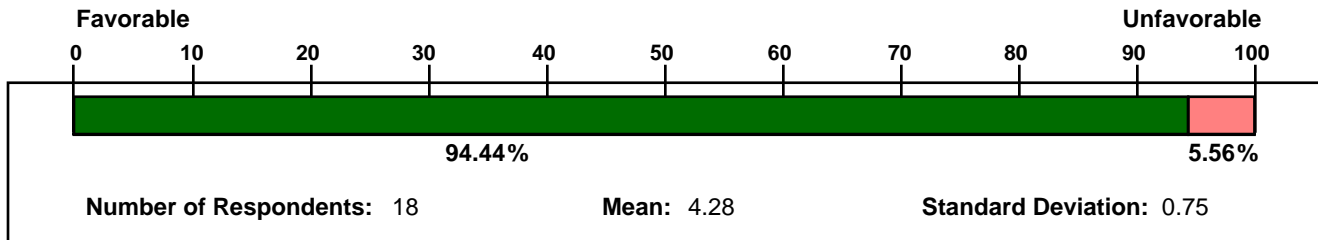
Science Program Review Faculty Survey 2007

Favorable █

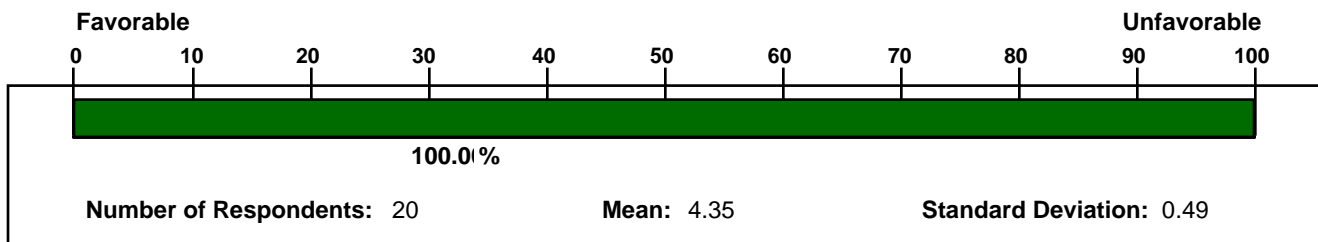
Neutral █

Unfavorable █

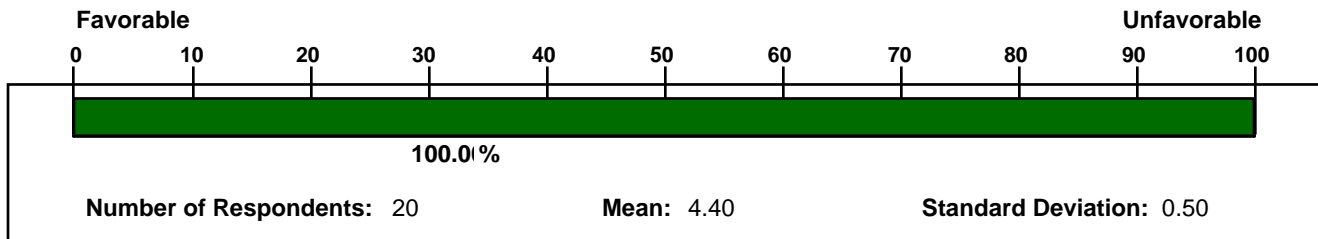
General Satisfaction - Extent to which faculty and staff meet the needs of non-traditional students (e.g., older adults, working adults, active duty military, etc.)



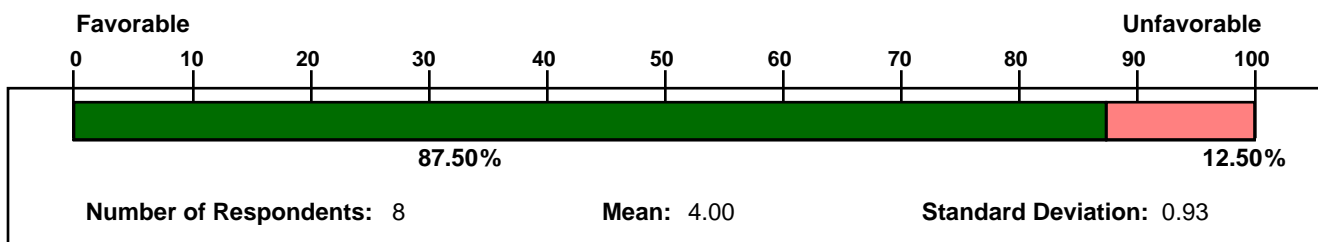
General Satisfaction - Overall quality of the program



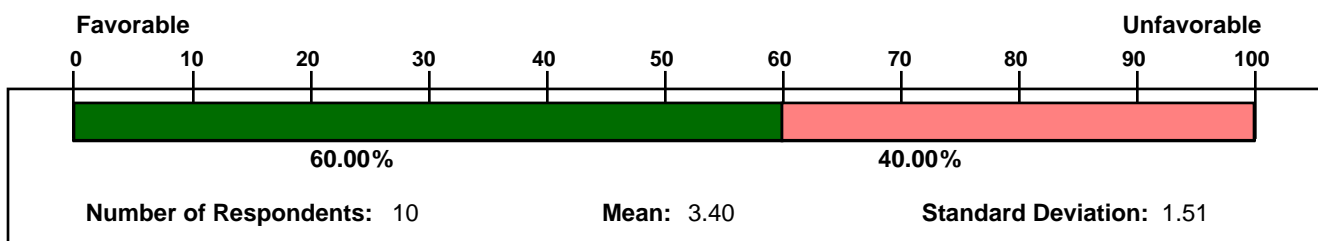
General Satisfaction - Your own success teaching in the program



Distance Learning - Overall, the caliber of the distance learning science courses at Coastline is equivalent to or better than the quality of other distance learning courses of which you are aware.



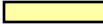
Distance Learning - I have as much or more interaction with students in my distance learning courses as I do with students in classroom-based courses.



Favorable/Unfavorable Report

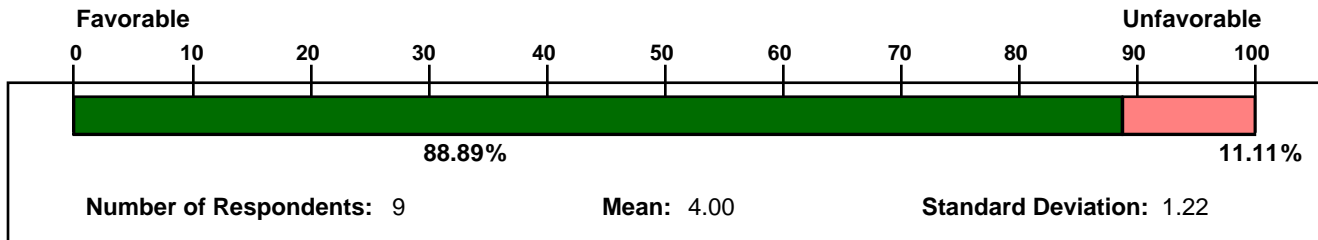
Science Program Review Faculty Survey 2007

Favorable 

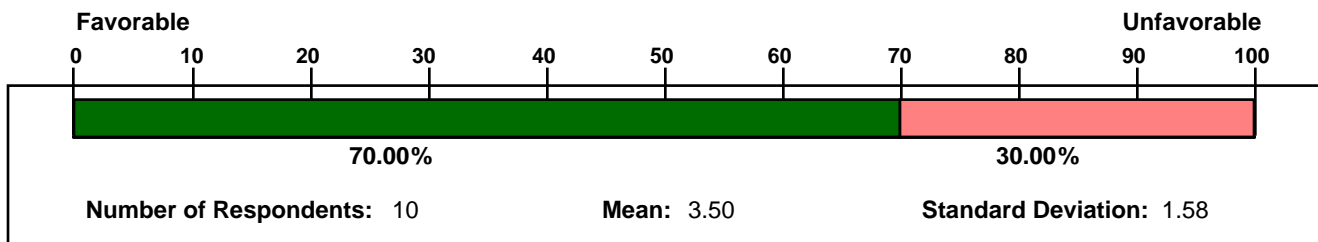
Neutral 

Unfavorable 

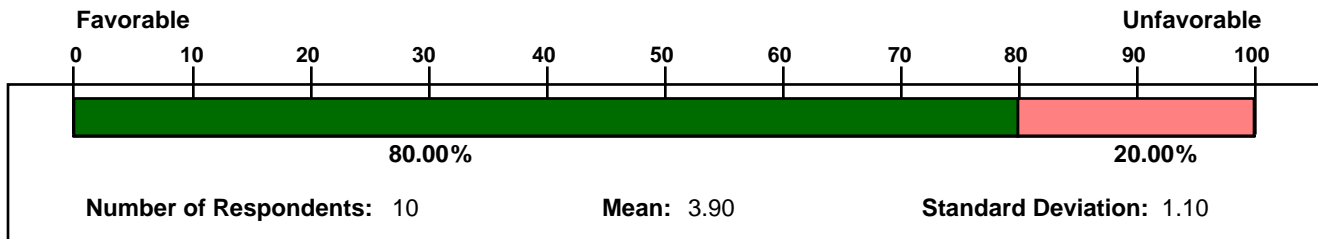
Distance Learning - I am satisfied with the amount of interaction I have with the students in my distance learning course.



Distance Learning - The technology used to deliver my distance learning course has been reliable.



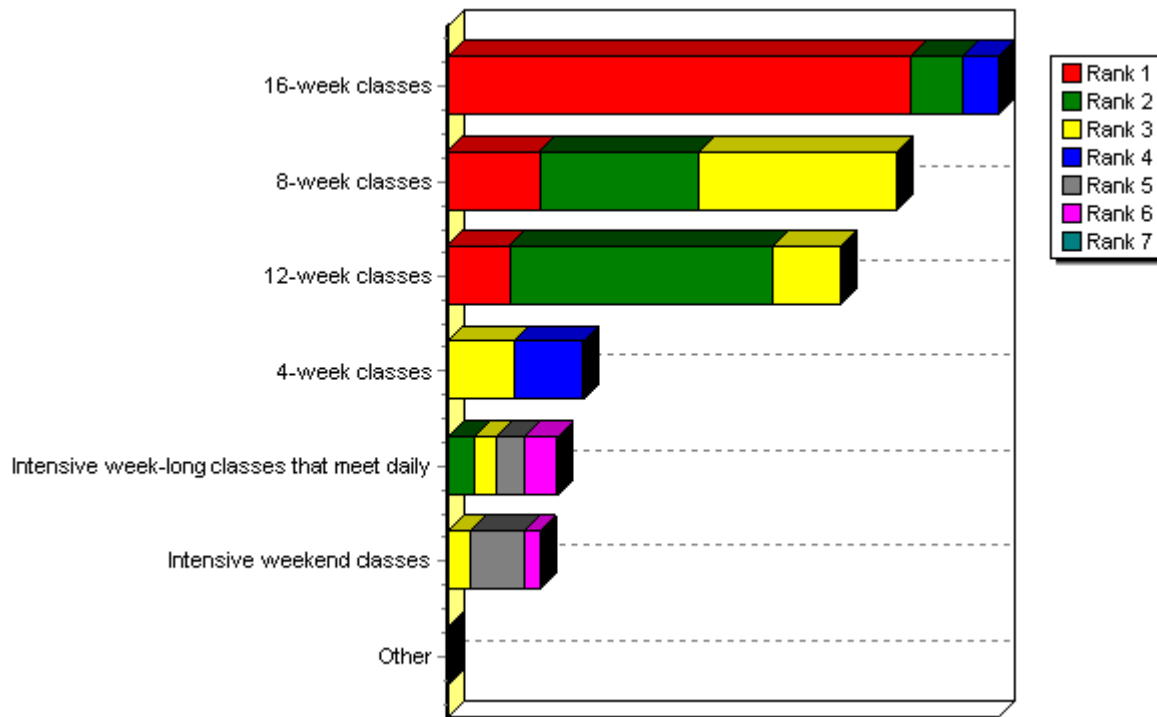
Distance Learning - The support I receive from the Distance Learning Department meets my needs.



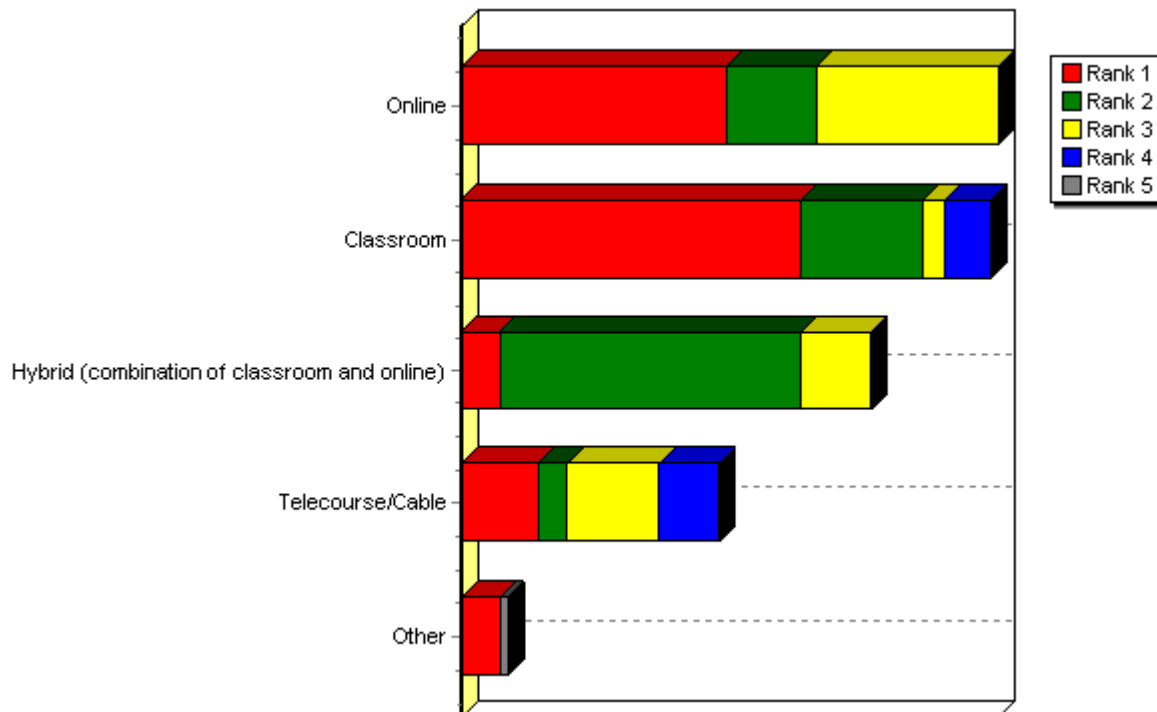
Bar Chart of Ranking Responses

Science Program Review Faculty Survey 2007

Please rank the following scheduling formats for science classes with "1" representing the format you most prefer, "2" representing your second choice, "3" your third choice, etc. Use each ranking number only once.



Please rank the delivery formats in which you prefer to teach science classes.



Summary of Ranking Responses

Science Program Review Faculty Survey 2007

	Rank	Respondents	Score
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Please rank the following scheduling formats for science classes with "1" representing the format you most prefer, "2" representing your second choice, "3" your third choice, etc. Use each ranking number only once.

16-week classes

1	15	105
2	2	12
3	0	0
4	2	8
5	0	0
6	0	0
7	0	0
Total		19
		125

8-week classes

1	3	21
2	6	36
3	9	45
4	0	0
5	0	0
6	0	0
7	0	0
Total		18
		102

12-week classes

1	2	14
2	10	60
3	3	15
4	0	0
5	0	0
6	0	0
7	0	0
Total		15
		89

4-week classes

1	0	0
2	0	0
3	3	15
4	4	16
5	0	0
6	0	0
7	0	0
Total		7
		31

Intensive week-long classes that meet daily

1	0	0
2	1	6
3	1	5
4	0	0
5	2	6
6	4	8
7	0	0
Total		8
		25

Summary of Ranking Responses

Science Program Review Faculty Survey 2007

	Rank	Respondents	Score
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Please rank the following scheduling formats for science classes with "1" representing the format you most prefer, "2" representing your second choice, "3" your third choice, etc. Use each ranking number only once.

Intensive weekend classes

1	0	0
2	0	0
3	1	5
4	0	0
5	4	12
6	2	4
7	0	0
Total		7
		21

Other

1	0	0
2	0	0
3	0	0
4	0	0
5	0	0
6	0	0
7	0	0
Total		0
		0

Please rank the delivery formats in which you prefer to teach science classes.

Online

1	7	35
2	3	12
3	8	24
4	0	0
5	0	0
Total		18
		71

Classroom

1	9	45
2	4	16
3	1	3
4	3	6
5	0	0
Total		17
		70

Hybrid (combination of classroom and online)

1	1	5
2	10	40
3	3	9
4	0	0
5	0	0
Total		14
		54

Summary of Ranking Responses

Science Program Review Faculty Survey 2007

	Rank	Respondents	Score
Please rank the delivery formats in which you prefer to teach science classes.			
Telecourse/Cable	1	2	10
	2	1	4
	3	4	12
	4	4	8
	5	0	0
	Total	11	34
Other	1	1	5
	2	0	0
	3	0	0
	4	0	0
	5	1	1
	Total	2	6

Text and Paragraph Responses by Question

Science Program Review Faculty Survey 2007

Question: General Satisfaction: If you indicated that you were "Dissatisfied" or "Very Dissatisfied" with any of the above items, please explain your concerns.

- * Have never known that I COULD participate in curriculum development.

HS class rooms (in the BfC program) usually do NOT provide any instructional equipment.
- * The software for DL classes has problems. The system does not work due mainly because of poor technology and lack of computer/printer access. I know the issues impacting lab equipment are being worked on...
- * The feedback I'm getting from my students is that they want to learn more and get more education than what they are currently getting. They are not learning much from the Anatomy lectures, but they enjoy the Anatomy labs. Also, the course is not organized well, and there is little communication between teachers.
- * "Dissatisfied" is really too strong, but here are my comments regarding the geological events at CCC: I have been involved with Coastline's geology program since 1993, but I now have the feeling I am more of an outsider looking in rather than a participant. For example, a few years back, I offered a "Geology of California" course (Geology 130) which was a combo field and classroom deal between semesters. But only about 10 students signed up for the course, so that was the end of that. However, I found out a few months ago that a new Geology 130 (online) course was being developed, which was a surprise to me since no one at Coastline informed me about it. But no big deal, I forwarded to the new instructor all I had from the previous Geology of California course. But I was surprised that I heard nothing about it. I have also taught the Geology 100 telecourse several times in the past, but I recently found out that there was an online version of that course now being offered, as well. Although I have not taught that course for several years, I still was surprised that I never heard a thing from anyone about the development of the online version. There is now a movement afoot to develop a replacement for the Geology telecourse, but as of this point in time, I have heard very little about the progress of that project, although, in spite of a very full plate, I have been forwarding to Coastline a lot of potentially useful instructional materials that may be applicable to the development of that instructional effort. At any rate, it does appear that there is very definitely a communication problem with regard to the development at Coastline of new geological instructional materials.
- * The variety of courses is very limited since there are basically two.
The facilities for instructors office space for work and storage are very small and crowded. There are not enough computer portals for instructors.
The accessibility of computers and projectors is very limited.
- * The lab is very crowded as it is used for Anatomy, Physiology and Biology. It is packed with equipments and materials for the three course. It needs a storage room. I feel that we need to build a new lab and hire a lab tech.

The courses offered are great but I still feel that we can add more courses once we have an additional lab.
- * Teaching Gen Chem, is a complex subject and I feel we are doing a disservice to the students without making them have more access to use. I would recommend a more hybridized course, with a required problem solving of a couple hours a week. This could be done by extending lab time by 1 hour or by use of office hours, just in a classroom.
Adequacy of instructional facilities and lab equipment. We are lacking. The lab, even though just remodeled is very disorganized. We also lack the needed turn around time to convert from microbio to chem. There is also a safety issue in that if anything is left out we have no clue as to what it is. For the chemist we have no idea how toxic the bacteria is the microbio lab is using and for the microbio, they may not know how toxic our chemicals are. So we are then in turn exposing each other to toxins. One possible fix is to build another lab and seperate us into two rooms. This would releave congestion and allow us to get organized.

Text and Paragraph Responses by Question

Science Program Review Faculty Survey 2007

Question: General Satisfaction: If you indicated that you were "Dissatisfied" or "Very Dissatisfied" with any of the above items, please explain your concerns.

- * It has sometimes been difficult to communicate some of the needs of the laboratory to the support staff. Many times items such as paper towels which are critical to maintaining a safe lab are missing - we were informed that they have to be purchased through another account, but the situation remains the same after an entire semester. It is also difficult for students to print out course materials (I place my slides online), as they are discouraged from doing so in printer facilities. Projector equipment is not bright enough to be able to use, and the lack of web connectivity in the lecture hall prohibits the use of science related movie or flash clips. The lab room is also generally very crowded, particularly in the preparation area. It would also be good for Coastline to being to offer the majors Biology series.
 - * Laboratory equipment is sometimes missing, falling apart, or not in adequate numbers for the amount of students. As the laboratory is used for many classes, it would be helpful to have a labortory tech assigned for maintence, storage and continued quality managed of equipment.
-

Question: If you answered "Disagree" or "Strongly disagree" to any of the above statements about distance learning, please explain your concerns.

- * It's simply not possible to interact with a student online as efficiently as in the classroom.
Had unusually many problems with online exams this fall. Staff quite helpful, though.
 - * The attitude is good, but there are problems with the technology (software or hardware - I don't know) that can't be fixed at my level. Those technology-related problems prevent the system from working.
 - * The amount of interaction with students is much less than class-room based courses.
The website and other electronic based course materials are inaccessible at various times throughout the class session.
 - * There is no comparison with classroom based instruction. I do get alot of emails from the students in DL, but it is much harder to explain complex subjects to the students. To make DL work for chem, we need a virtual classroom. One where I can write something down on a touch pad of some sort and the students will see, along with some kind of web cam system where they can get interaction.
-

Question: Do you have any comments or concerns specifically related to science classes for military students?

- * I hope the data entry problems can be fixed. Students cannot access their scores even though the scores are entered into the system and the scores show at this end.
- * The support office is very helpful and efficient.

Text and Paragraph Responses by Question

Science Program Review Faculty Survey 2007

Question: Do you have any comments or concerns specifically related to science classes that enroll incarcerated students?

- * I would like to control the classes that are presented in the prisons. For example, I would've kept the new Ecology 100 out of the prisons until all of the technical problems with the course were resolved. I sometimes worry about students' attitudes and their actions after release from prison.
- * It would be great to be able to get timely feedback back to the students. They have questions and it is weeks before I can get an answer to them. I understand the security problems, but some type of limited access to the internet such as a direct line to the school must be feasible.
- * I have no comments
- * Not at this time.

Question: Are there any other methods you use to assess student learning outcomes?

- * In an effort to provide an explanation for the above, each Geology 141 lab exercise may be carried out independently or as a group effort, and each lab exercise features 25 multiple choice questions. Ditto for the three independent-study museum field trips for our local students and ditto for the three virtual field trips for our more distant distance learners. The students really like the "cool" museum field trips. Some of the labs also feature professionally narrated armchair field trips, originally in the videotape format, but now in disc format. There is a comprehensive examination at the end of the course. Students often comment about the geology lab experience being informative and enjoyable.
- * The students have three writing assignments where they respond to questions related to specific course topics. They must integrate their readings, outside sources and material gleaned from course media in their responses. They also must include their own experiences/ideas as they relate to the topic.
- * Rolled into participation I also employ think-pair-share.
- * verbal or written feedback

Question: Please list any awards, honors, and grants you have received in the past three years:

- * Coastline Teacher of the Year 2006
- * Drilling and downhole-sampling research grants at CSUF
- * Three grants and honors received were outside the science field
- * none
- * Teaching Excellence Award 2007.
- * 2007 Consumer's Research Council of America Guide to America's top Surgeons

Text and Paragraph Responses by Question

Science Program Review Faculty Survey 2007

Question: List the college committees on which you have served during the past three years:

* Equivalency committee (Physics, Astronomy)

Technology Committee

* Senate, curriculum, Election, Public Relations, District Wellness, et al

* Curriculum review committees

* Curriculum committee

* Academic Senate; Program Review; Equivalency Committees; Accrediation Standard Co-Chair; Accreditation Mid-Term Report Committee; Academic Senate EQ Task Force; Vocational Program Advisory Committee; TERC Committee Chair; TERC Committee Member; FT Faculty Evaluation Committee Chair; FT Faculty Evaluation Committee Member; Seaport/My CCC Mentor

* none

* I offered to serve in the Health committee.

* Mission Planning Budget

* Science committees

Text and Paragraph Responses by Question

Science Program Review Faculty Survey 2007

Question: Are there other science courses that you would like Coastline to offer?

- * After we add a full-time lab tech and a physiologist to the staff, if we continue to invest in Lab space and lab equipment, we might be able to offer a major's course in general biology.

We could also offer cell and molecular biology.

- * Was glad to hear that students can now enroll in physics classes at Coastline
- * Organic chemistry course
- * Pathophysiology.
- * Organic Chemistry; Historical Geology
- * California Geology
Environmental Geology
- * Anatomy and Physiology combined course, Human Nutrition Course, Neurophysiology course, Bio Chemistry course .../
- * Human Biology
Medical Science
- * Short Immunology course
- * Physics
Organic Chemistry
- * Introduction to molecular/cellular biology
Techniques in molecular biology
Techniques in cell culture
Introduction to genetics
- * I have been asked by students to teach a neuroanatomy course
- * Organic chemistry, and physical science courses.

Text and Paragraph Responses by Question

Science Program Review Faculty Survey 2007

Question: As part of this review, the Science Program will be identifying new five-year goals for the program. Please suggest one or more goals that you believe would be important for the program to pursue.

- * Strengthen distance learning, especially online classes. Make technology reliable, "future-proof", and both student- and instructor-friendly.
- * Hire a full-time lab tech.
Build relationships with four year colleges to attract staff.
Build more labs.
Buy more equipment.
Hire a physiologist.
Offer biology classes for majors.
- * Get better books and more models for the class. Get more organized!
- * more laboratory classes
- * Continue to do the Summer Institute technology workshops so that Coastline may stay right on top of the latest in distance learning instructional methods
- * open new chemistry lab's
- * Prerequisite courses designed for health care careers (etc., occupational therapists, physical therapists, nursing, pharmacist).
- * Secure more lab space and explore possibilities of hybrid-online labs to relieve physical facility restraints.
- * Remodel the Geology 100 and 141 websites and curriculum
- * Add new courses, increase number of students enrolled, achieve high level of student retention and improve the quality of education.
- * Chance for students to be able to do independent research/investigations
- * Institute a majors biology program and a physician assistant program.
- * Some of my students are impressed with the models used at the Orange Coast Campus
- * We definitely need more laboratory space and modern tools to pursue the high tech in biotechnology.
I also highly recommend an internship program, a credit courses, an industrial partnership program. Our students should have industrial experience when they are still students.

Text and Paragraph Responses by Question

Science Program Review Faculty Survey 2007

Question: Do you have any other comments or suggestions for improving the Science Program at Coastline?

- * As a biologist, I believe the greatest weakness of the program is its lack of support from the four year schools in this area. Many (most?) Santa Monica College science faculty were actively recruited from UCLA based on faculty relationships. Most San Francisco City College science faculty came from UC Berkeley for the same reasons. It does help to know who the best students are b/c they often become the best faculty a few years down the line. If we were to establish the sort of relationship that would enable us to recruit the best biology grad students from UCI, we could be as good as SMC or CCSF used to be.
- * No more comments
- * Larger and heavier equipped laboratories.
- * Place the instructors work areas in close proximity to each other.
- * This is my first semester teaching at CCC so I know my reponses were sparse. I am sure I will have more to report back on in about a year!
- * General and Organic labs.
- * Thank you very much to CCC in this effort.

In our one stop center- biotech program developed students and; 6 students obtained jobs before they finished the program (4 official,2 unofficial yet).

Count and Percent Science Student 2007

	Count	Percent
Are you active duty military?	Respondents: 265	
Yes	42	15.85 %
No	223	84.15 %
Total Responses	265	100 %

	Count	Percent
At what location or in what delivery mode are you taking your current Science class(es)? (Mark all that apply.)	Respondents: 268	
Coastline Costa Mesa Center	6	2.24 %
Coastline Garden Grove Center	14	5.22 %
Coastline Le-Jao Center in Westminster	26	9.70 %
Online	226	84.33 %
Telecourse/Cable	18	6.72 %
Other	2	0.75 %
Total Responses	292	100 %

	Count	Percent
To what extent does your current Science class meet your expectations?	Respondents: 268	
The program is even better than I expected	155	57.84 %
The program is pretty much what I expected	99	36.94 %
The program is not what I expected	14	5.22 %
Total Responses	268	100 %

	Count	Percent
General Satisfaction - Quality of instruction	Respondents: 268	
Very satisfied	147	54.85 %
Satisfied	107	39.93 %
Dissatisfied	7	2.61 %
Very dissatisfied	5	1.87 %
Don't know or N/A	2	0.75 %
Total Responses	268	100 %

	Count	Percent
General Satisfaction - Currency of the curriculum	Respondents: 265	
Very satisfied	131	49.43 %
Satisfied	123	46.42 %
Dissatisfied	7	2.64 %
Very dissatisfied	2	0.75 %
Don't know or N/A	2	0.75 %
Total Responses	265	100 %

Count and Percent Science Student 2007

	Count	Percent
General Satisfaction - Ability of instructors to communicate clearly	Respondents: 268	
Very satisfied	150	55.97 %
Satisfied	95	35.45 %
Dissatisfied	13	4.85 %
Very dissatisfied	5	1.87 %
Don't know or N/A	5	1.87 %
Total Responses	268	100 %

General Satisfaction - Variety of classes	Respondents: 266	
Very satisfied	110	41.35 %
Satisfied	122	45.86 %
Dissatisfied	12	4.51 %
Very dissatisfied	3	1.13 %
Don't know or N/A	19	7.14 %
Total Responses	266	100 %

General Satisfaction - Relevance of classes to my job needs	Respondents: 266	
Very satisfied	85	31.95 %
Satisfied	126	47.37 %
Dissatisfied	6	2.26 %
Very dissatisfied	2	0.75 %
Don't know or N/A	47	17.67 %
Total Responses	266	100 %

General Satisfaction - Staff support for the program and classes	Respondents: 263	
Very satisfied	136	51.71 %
Satisfied	98	37.26 %
Dissatisfied	12	4.56 %
Very dissatisfied	8	3.04 %
Don't know or N/A	9	3.42 %
Total Responses	263	100 %

General Satisfaction - Extent to which faculty and staff meet the needs of culturally diverse students	Respondents: 267	
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Count and Percent

Science Student 2007

	Count	Percent
General Satisfaction - Extent to which faculty and staff meet the needs of culturally diverse students	Respondents: 267	
Very satisfied	102	38.20 %
Satisfied	86	32.21 %
Dissatisfied	4	1.50 %
Very dissatisfied	2	0.75 %
Don't know or N/A	73	27.34 %
Total Responses	267	100 %

General Satisfaction - Extent to which faculty and staff meet the needs of non-traditional students (e.g., older adults, working adults, active duty military, etc.)	Respondents: 263	
Very satisfied	144	54.75 %
Satisfied	82	31.18 %
Dissatisfied	5	1.90 %
Very dissatisfied	3	1.14 %
Don't know or N/A	29	11.03 %
Total Responses	263	100 %

General Satisfaction - Overall quality of the program	Respondents: 267	
Very satisfied	155	58.05 %
Satisfied	101	37.83 %
Dissatisfied	7	2.62 %
Very dissatisfied	3	1.12 %
Don't know or N/A	1	0.37 %
Total Responses	267	100 %

General Satisfaction - Your own success in the program	Respondents: 268	
Very satisfied	149	55.60 %
Satisfied	104	38.81 %
Dissatisfied	10	3.73 %
Very dissatisfied	3	1.12 %
Don't know or N/A	2	0.75 %
Total Responses	268	100 %

Count and Percent Science Student 2007

	Count	Percent
Site-Based Classes - The classroom is appropriate for the activities in the class. Respondents: 42		
Strongly agree	19	45.24 %
Agree	16	38.10 %
Disagree	1	2.38 %
Don't know or n/a	6	14.29 %
Total Responses	42	100 %

Site-Based Classes - Lab equipment is up-to-date. Respondents: 42		
Strongly agree	15	35.71 %
Agree	16	38.10 %
Disagree	3	7.14 %
Don't know or n/a	8	19.05 %
Total Responses	42	100 %

Site-Based Classes - The lab has enough stations to accommodate all students. Respondents: 41		
Strongly agree	11	26.83 %
Agree	17	41.46 %
Disagree	2	4.88 %
Don't know or n/a	11	26.83 %
Total Responses	41	100 %

Site-Based Classes - The lab is organized in a manner that allows the instructor and students to use their time efficiently. Respondents: 42		
Strongly agree	16	38.10 %
Agree	14	33.33 %
Disagree	4	9.52 %
Don't know or n/a	8	19.05 %
Total Responses	42	100 %

Site-Based Classes - Adequate support is available to students in the lab. Respondents: 42

Count and Percent Science Student 2007

	Count	Percent
Site-Based Classes - Adequate support is available to students in the lab. Respondents: 42		
Strongly agree	16	38.10 %
Agree	15	35.71 %
Disagree	3	7.14 %
Don't know or n/a	8	19.05 %
Total Responses	42	100 %

Distance Learning - Overall, the caliber of my distance learning Science course at Coastline is equivalent to or better than the quality of my classroom-based courses. Respondents: 235		
Strongly agree	95	40.43 %
Agree	107	45.53 %
Disagree	14	5.96 %
Strongly disagree	3	1.28 %
Don't know or n/a	16	6.81 %
Total Responses	235	100 %

Distance Learning - The caliber of the distance learning Science courses at Coastline is equivalent to or better than the quality of other distance learning courses of which I am aware. Respondents: 238		
Strongly agree	95	39.92 %
Agree	104	43.70 %
Disagree	7	2.94 %
Strongly disagree	1	0.42 %
Don't know or n/a	31	13.03 %
Total Responses	238	100 %

Distance Learning - I have as much or more interaction with the instructor in my distance learning Science courses as I do with instructors in classroom-based courses. Respondents: 237		
Strongly agree	60	25.32 %
Agree	88	37.13 %
Disagree	48	20.25 %
Strongly disagree	14	5.91 %
Don't know or n/a	27	11.39 %
Total Responses	237	100 %

Count and Percent

Science Student 2007

	Count	Percent
Distance Learning - I have as much or more interaction with fellow students in my distance learning Science courses as I do with students in classroom-based courses.	Respondents: 236	
Strongly agree	46	19.49 %
Agree	104	44.07 %
Disagree	39	16.53 %
Strongly disagree	18	7.63 %
Don't know or n/a	29	12.29 %
Total Responses	236	100 %

Distance Learning - I am satisfied with the amount of interaction I have with the instructor and with fellow students in my distance learning Science class(es).	Respondents: 238	
Strongly agree	81	34.03 %
Agree	129	54.20 %
Disagree	18	7.56 %
Strongly disagree	5	2.10 %
Don't know or n/a	5	2.10 %
Total Responses	238	100 %

Distance Learning - I have access to all of the supplies and materials I need to successfully complete my class.	Respondents: 238	
Strongly agree	122	51.26 %
Agree	104	43.70 %
Disagree	7	2.94 %
Strongly disagree	3	1.26 %
Don't know or n/a	2	0.84 %
Total Responses	238	100 %

Distance Learning - The technology used to deliver my distance learning Science course(s) has been reliable.	Respondents: 237	
Strongly agree	120	50.63 %
Agree	104	43.88 %
Disagree	8	3.38 %
Strongly disagree	4	1.69 %
Don't know or n/a	1	0.42 %
Total Responses	237	100 %

Count and Percent Science Student 2007

	Count	Percent
Age	Respondents: 267	
Under 18	5	1.87 %
18-30	132	49.44 %
31-45	97	36.33 %
46-60	32	11.99 %
61 or older	1	0.37 %
Total Responses	267	100 %
Gender	Respondents: 263	
Male	121	46.01 %
Female	142	53.99 %
Total Responses	263	100 %
Ethnicity	Respondents: 266	
American Indian/Native Alaskan	5	1.88 %
White	131	49.25 %
Black	20	7.52 %
Hispanic	43	16.17 %
Vietnamese	23	8.65 %
Other Asian	21	7.89 %
Decline to State	10	3.76 %
Other	13	4.89 %
Total Responses	266	100 %
Primary Language	Respondents: 268	
English	241	89.93 %
Spanish	5	1.87 %
Vietnamese	11	4.10 %
Other	11	4.10 %
Total Responses	268	100 %
Are you in high school?	Respondents: 265	
Yes	10	3.77 %
No	255	96.23 %
Total Responses	265	100 %

Count and Percent Science Student 2007

	Count	Percent
What is your current employment status?	Respondents: 267	
Not working outside the home	32	11.99 %
Working as a volunteer (non-paid position)	9	3.37 %
Working 20 hours or less per week	38	14.23 %
Working between 21-30 hours per week	23	8.61 %
Working full-time	165	61.80 %
Total Responses	267	100 %

	Count	Percent
What is your highest level of education?	Respondents: 268	
Less than high school completion	4	1.49 %
High school diploma	169	63.06 %
Associate in Arts degree	51	19.03 %
Bachelor's degree	35	13.06 %
Master's degree	7	2.61 %
Doctorate	2	0.75 %
Total Responses	268	100 %

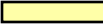
	Count	Percent
Are you currently enrolled at another college in addition to your Coastline classes? (Mark all that apply.)	Respondents: 264	
No: Enrolled only at Coastline	131	49.62 %
Golden West College	12	4.55 %
Irvine Valley College	3	1.14 %
Orange Coast College	24	9.09 %
Saddleback College	1	0.38 %
Santa Ana College	3	1.14 %
Santiago Canyon College	2	0.76 %
Other community college	22	8.33 %
A four-year college or university	88	33.33 %
Total Responses	286	100 %

	Count	Percent
Have you ever dropped out of a Coastline Science class before finishing the course?	Respondents: 268	
Yes	19	7.09 %
No	246	91.79 %
Don't recall	3	1.12 %
Total Responses	268	100 %

Favorable/Unfavorable Report

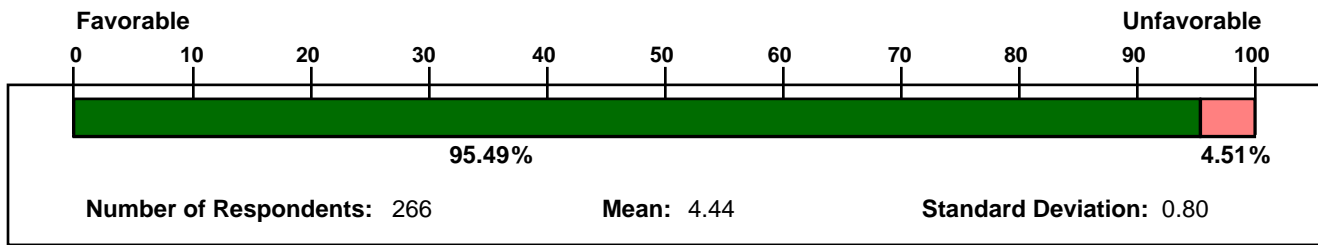
Science Student 2007

Favorable 

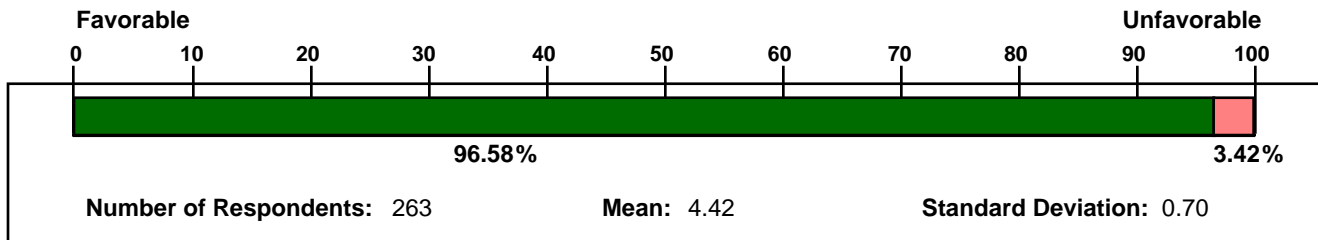
Neutral 

Unfavorable 

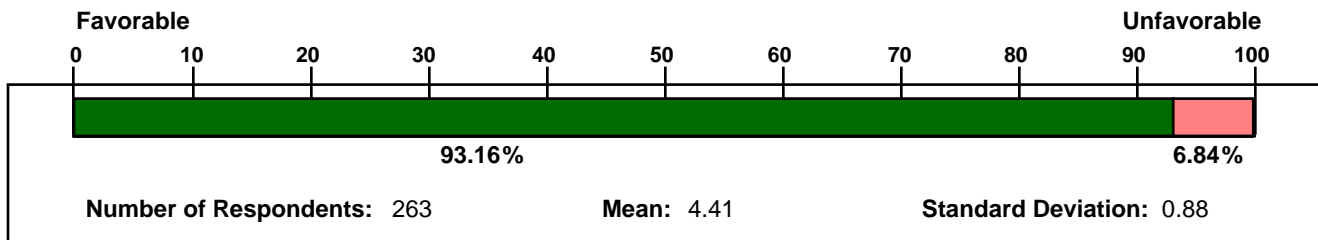
General Satisfaction - Quality of instruction



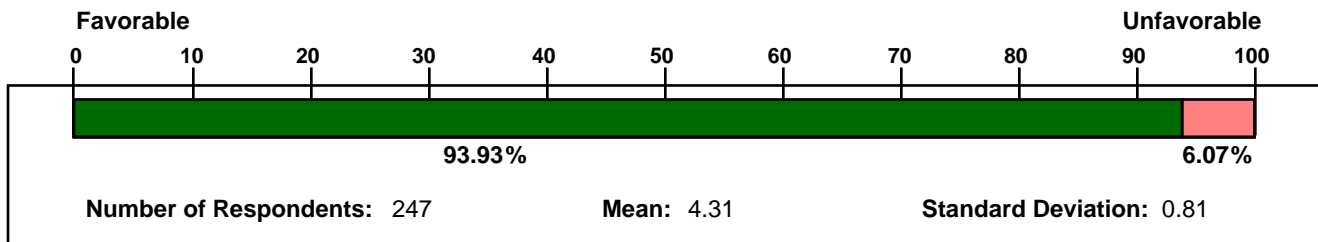
General Satisfaction - Currency of the curriculum



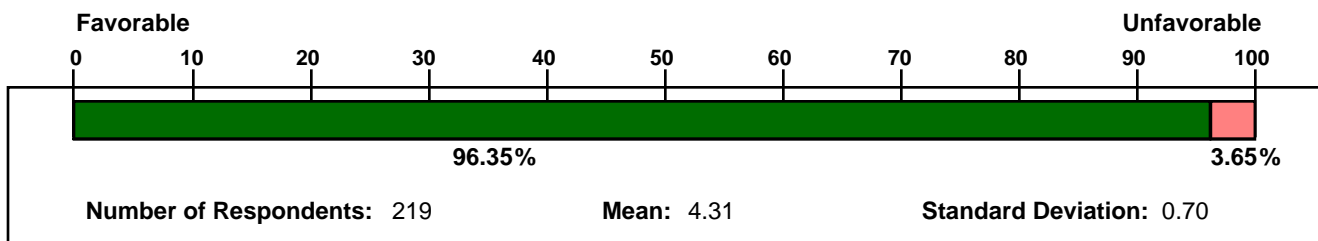
General Satisfaction - Ability of instructors to communicate clearly



General Satisfaction - Variety of classes



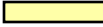
General Satisfaction - Relevance of classes to my job needs



Favorable/Unfavorable Report

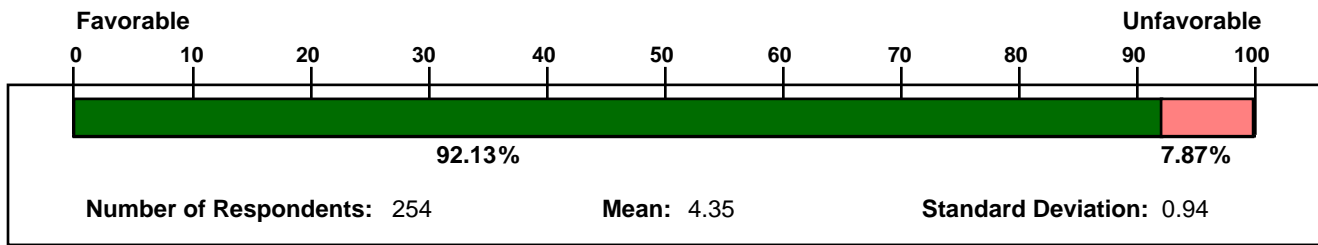
Science Student 2007

Favorable 

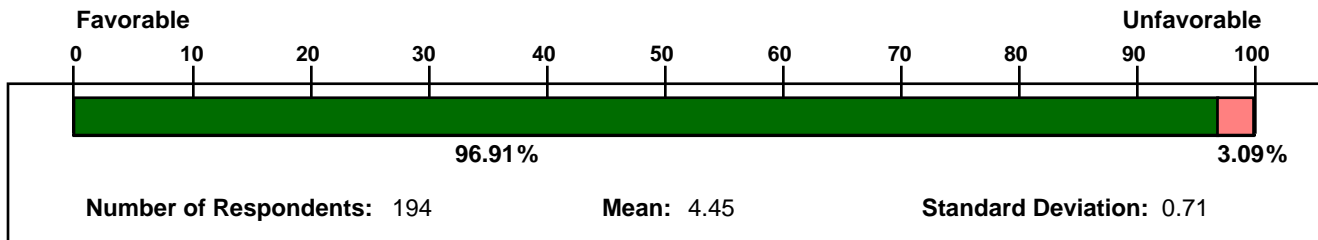
Neutral 

Unfavorable 

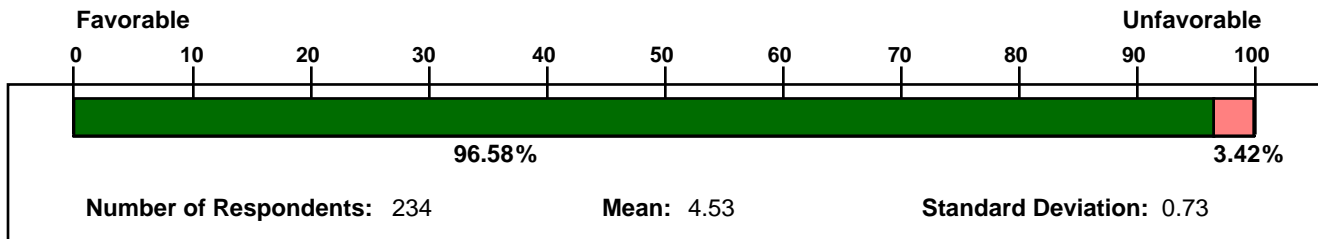
General Satisfaction - Staff support for the program and classes



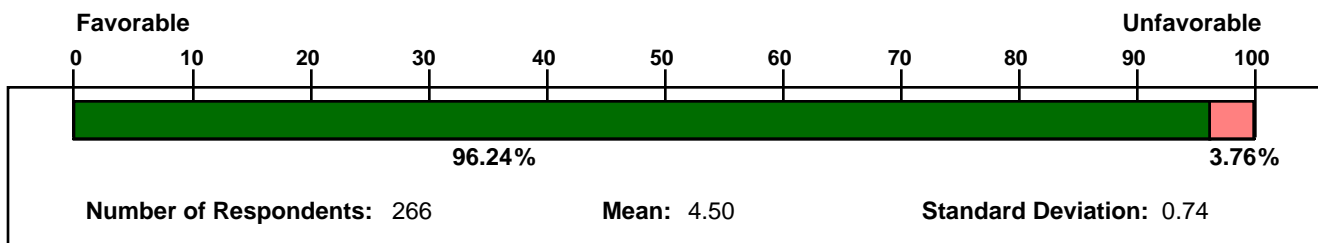
General Satisfaction - Extent to which faculty and staff meet the needs of culturally diverse students



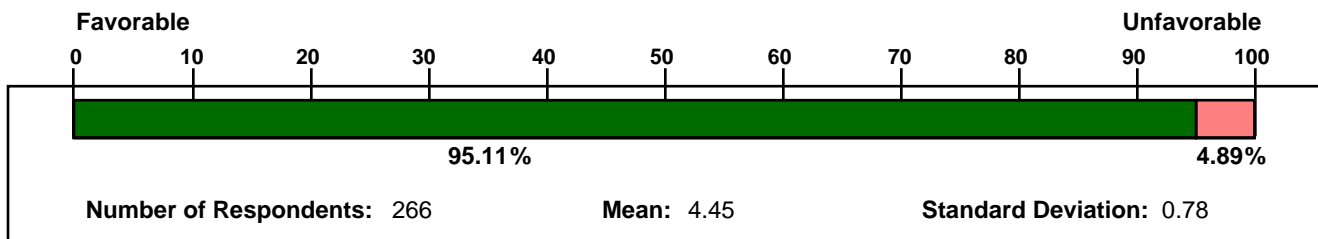
General Satisfaction - Extent to which faculty and staff meet the needs of non-traditional students (e.g., older adults, working adults, active duty military, etc.)



General Satisfaction - Overall quality of the program



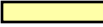
General Satisfaction - Your own success in the program



Favorable/Unfavorable Report

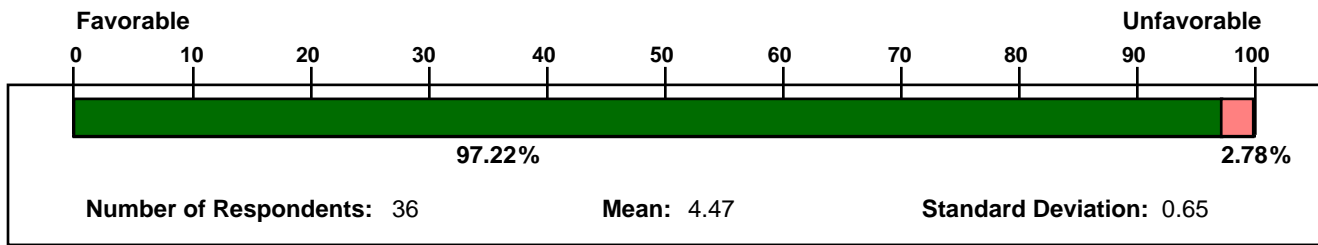
Science Student 2007

Favorable 

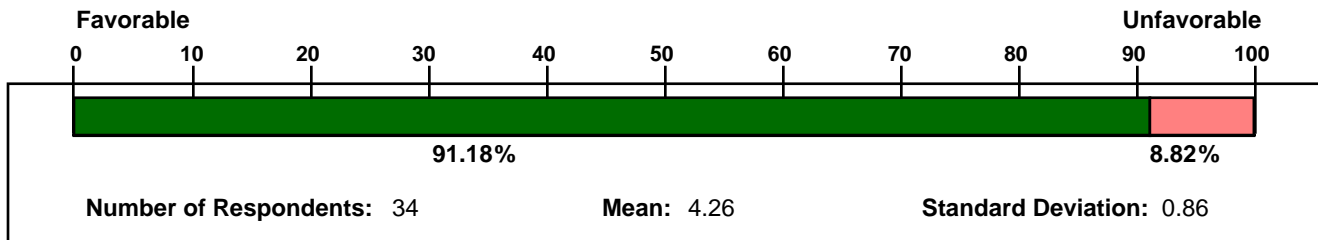
Neutral 

Unfavorable 

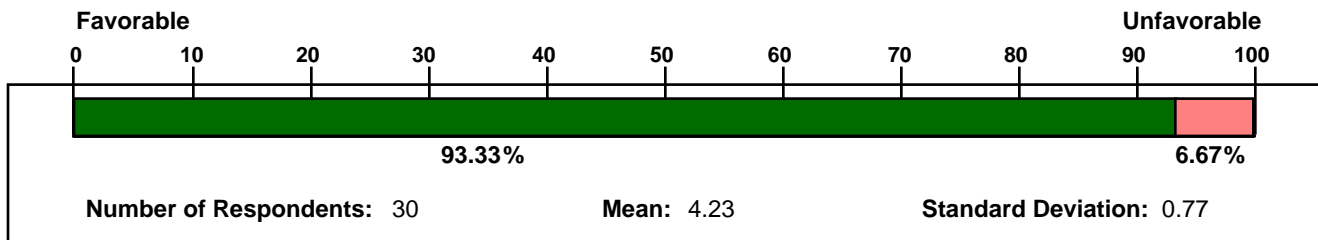
Site-Based Classes - The classroom is appropriate for the activities in the class.



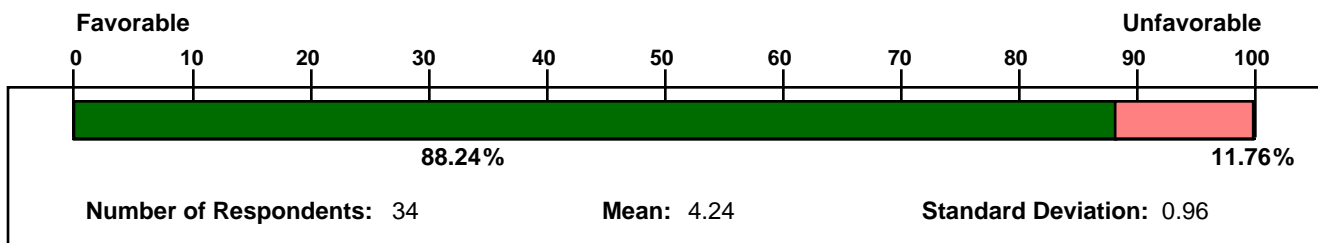
Site-Based Classes - Lab equipment is up-to-date.



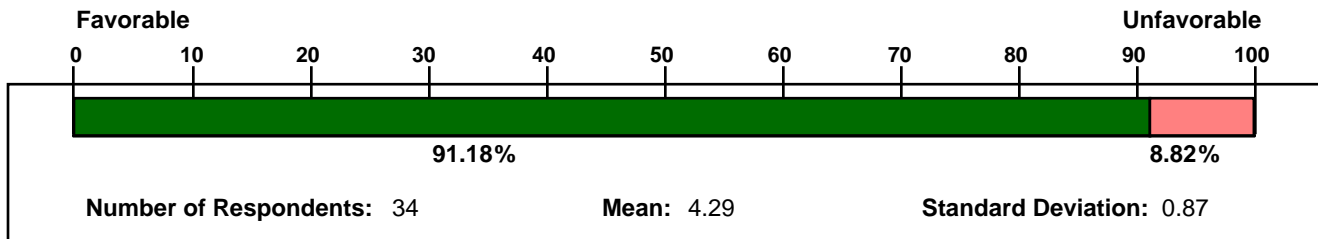
Site-Based Classes - The lab has enough stations to accommodate all students.



Site-Based Classes - The lab is organized in a manner that allows the instructor and students to use their time efficiently.




Site-Based Classes - Adequate support is available to students in the lab.



Favorable/Unfavorable Report

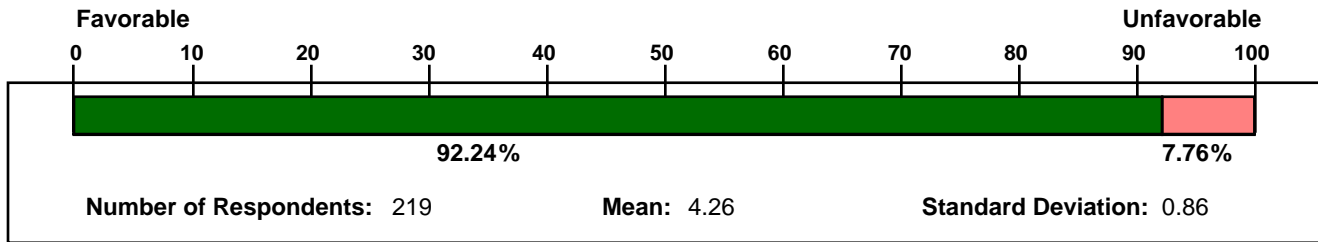
Science Student 2007

Favorable 

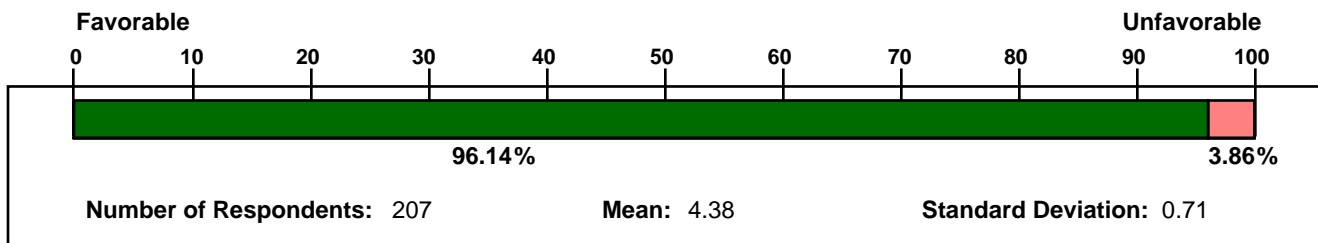
Neutral 

Unfavorable 

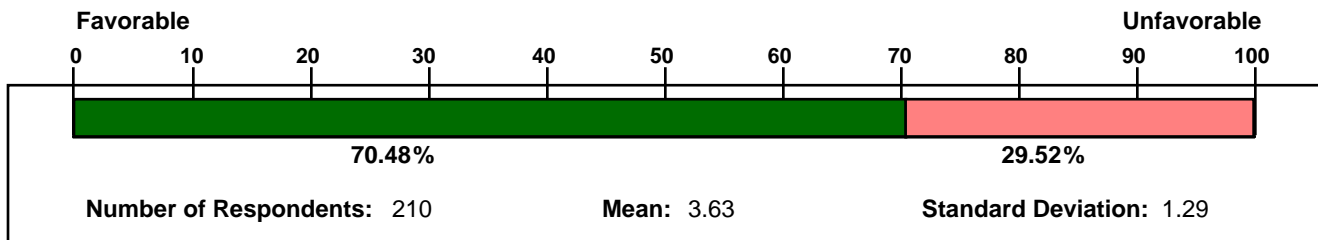
Distance Learning - Overall, the caliber of my distance learning Science course at Coastline is equivalent to or better than the quality of my classroom-based courses.



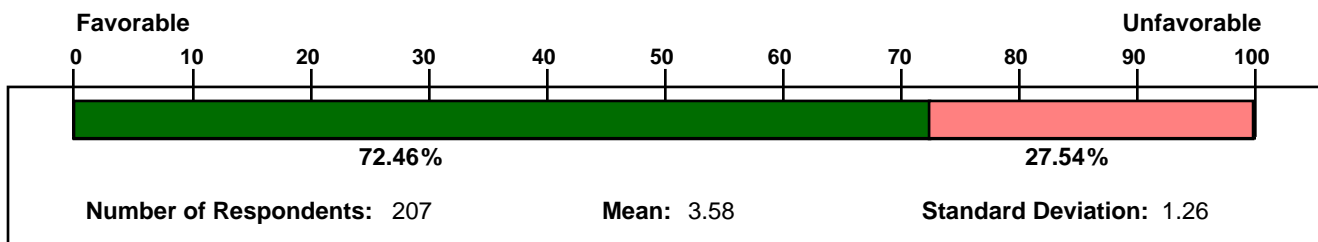
Distance Learning - The caliber of the distance learning Science courses at Coastline is equivalent to or better than the quality of other distance learning courses of which I am aware.



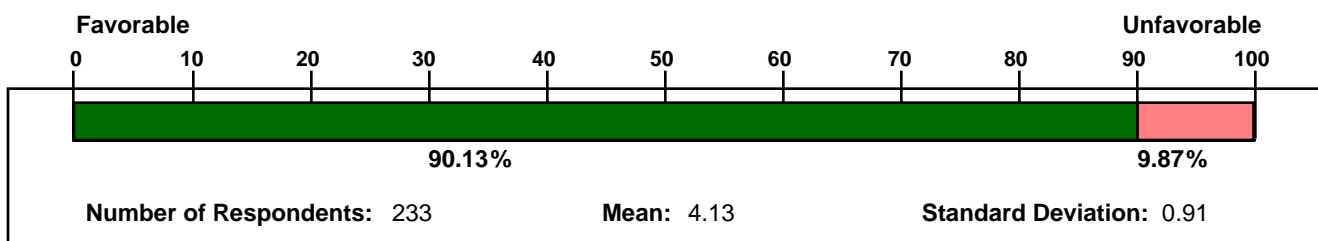
Distance Learning - I have as much or more interaction with the instructor in my distance learning Science courses as I do with instructors in classroom-based courses.



Distance Learning - I have as much or more interaction with fellow students in my distance learning Science courses as I do with students in classroom-based courses.





Distance Learning - I am satisfied with the amount of interaction I have with the instructor and with fellow students in my distance learning Science class(es).



Favorable/Unfavorable Report

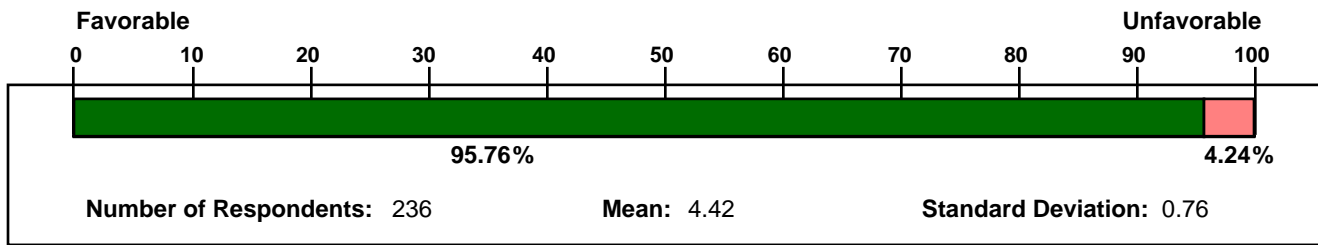
Science Student 2007

Favorable 

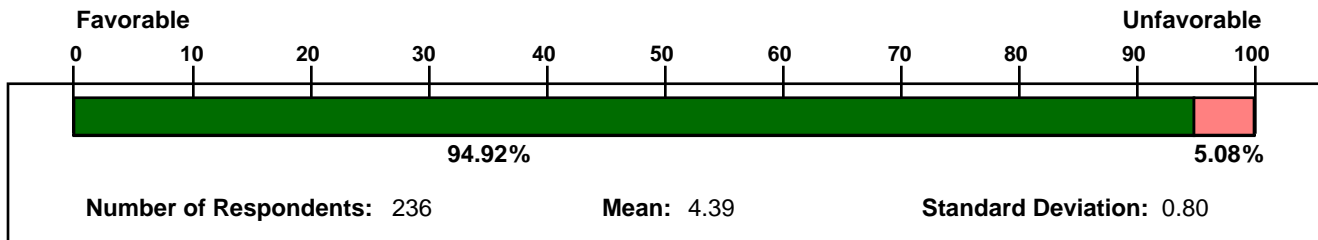
Neutral 

Unfavorable 

Distance Learning - I have access to all of the supplies and materials I need to successfully complete my class.



Distance Learning - The technology used to deliver my distance learning Science course(s) has been reliable.



Listing of "other" Responses by Question Science Student 2007

Question: At what location or in what delivery mode are you taking your current Science class(es)? (Mark all that apply.)

* Distance Learner

* Independent

Question: Please rank up to three reasons why you are taking Science classes at Coastline. Use "1" for your primary reason, "2" for your second, and "3" for your third. Use each number only once.

- * fulfill GE requirement
- * flexibility
- * General Ed for B.A. degree
- * Satisfy AS requirements at OCC
- * Fulfill GE requirements
- * Transer units to university
- * Satisfy my BA and AA Degrees
- * Last class needed f or my BS.
- * Covered G.E. requirement
- * supplement course work at a Four Year uiversity
- * accepts military credits
- * B.A. degree
- * Completing 4 yr
- * to meet degree requirements for Chico State
- * completing degree requirments
- * transfer for GE
- * To earn B.A.
- * finish my undergraduate degree
- * Need course to graduate from 4 year univ
- * to graduate
- * finish my GE classes for my BS degree at CSULB

Question: Please rank up to three reasons why you are taking Science classes at Coastline. Use "1" for your primary reason, "2" for your second, and "3" for your third. Use each number only once.

- * For prepare for Podiatric Medicine
- * PCAT
- * Only have 1 unit left for my BA at another university
- * Meet GE requirement
- * to gain BA
- * not available at other college
- * NEED THE COURSE

Question: Ethnicity

- * White/Black
- * Swedish American
- * multiracial
- * mixed asian & white
- * Asian Indian
- * Nunion
- * hispanic/black
- * Portuguese
- * Latin / Indian
- * Armenian
- * Armenian
- * Persian

Question: Primary Language

* Filipino

* Mandarin

* Tagalog

* Armenian

* Armenian

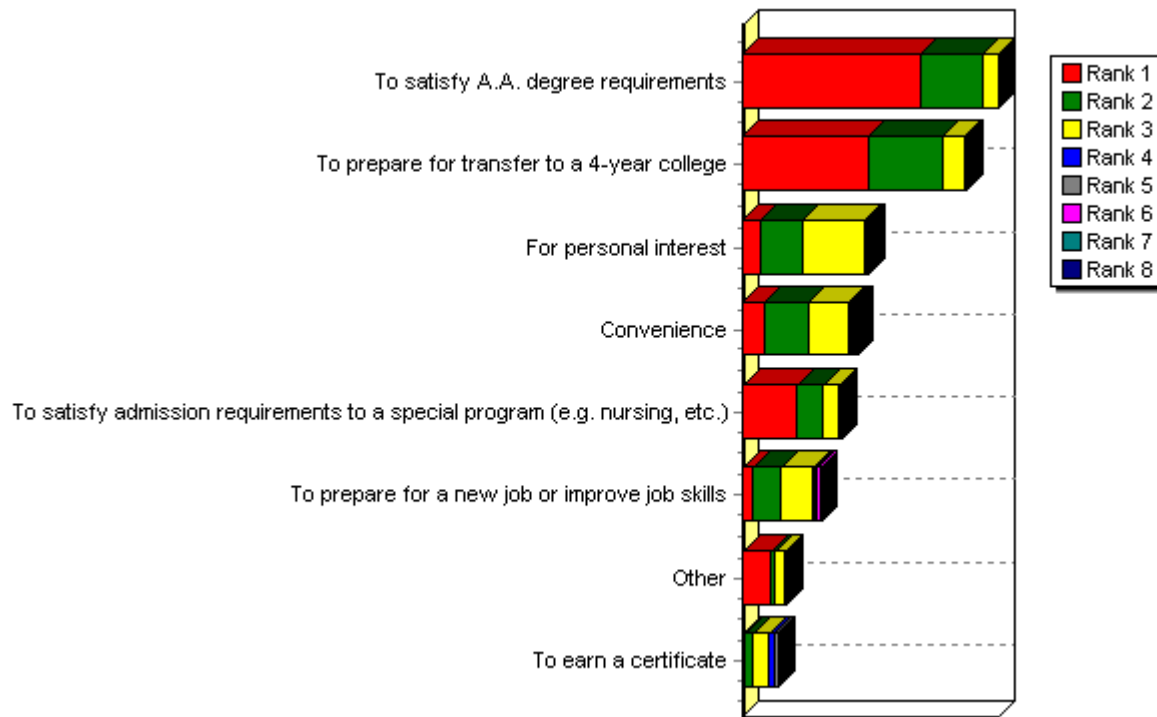
* Russian

* farsi

* Chinese

Bar Chart of Ranking Responses Science Student 2007

Please rank up to three reasons why you are taking Science classes at Coastline. Use "1" for your primary reason, "2" for your second, and "3" for your third. Use each number only once.



Summary of Ranking Responses

Science Student 2007

	Rank	Respondents	Score
<p>Please rank up to three reasons why you are taking Science classes at Coastline. Use "1" for your primary reason, "2" for your second, and "3" for your third. Use each number only once.</p>			
To satisfy A.A. degree requirements	1	107	856
	2	43	301
	3	12	72
	4	0	0
	5	0	0
	6	1	3
	7	0	0
	8	0	0
	Total	163	1232
To prepare for transfer to a 4-year college	1	76	608
	2	51	357
	3	17	102
	4	1	5
	5	0	0
	6	1	3
	7	0	0
	8	0	0
	Total	146	1075
For personal interest	1	11	88
	2	28	196
	3	50	300
	4	3	15
	5	0	0
	6	2	6
	7	3	6
	8	0	0
	Total	97	611
Convenience	1	13	104
	2	31	217
	3	31	186
	4	3	15
	5	3	12
	6	1	3
	7	5	10
	8	0	0
	Total	87	547

Summary of Ranking Responses

Science Student 2007

	Rank	Respondents	Score
<p>Please rank up to three reasons why you are taking Science classes at Coastline. Use "1" for your primary reason, "2" for your second, and "3" for your third. Use each number only once.</p>			
<p>To satisfy admission requirements to a special program (e.g. nursing, etc.)</p>			
	1	32	256
	2	19	133
	3	12	72
	4	0	0
	5	1	4
	6	0	0
	7	1	2
	8	0	0
	Total	65	467
<p>To prepare for a new job or improve job skills</p>			
	1	6	48
	2	19	133
	3	26	156
	4	2	10
	5	3	12
	6	6	18
	7	1	2
	8	0	0
	Total	63	379
<p>Other</p>			
	1	17	136
	2	3	21
	3	8	48
	4	0	0
	5	0	0
	6	0	0
	7	0	0
	8	4	4
	Total	32	209
<p>To earn a certificate</p>			
	1	1	8
	2	6	42
	3	13	78
	4	6	30
	5	4	16
	6	0	0
	7	1	2
	8	0	0
	Total	31	176

Text and Paragraph Responses by Question

Science Student 2007

Question: You indicated that the class is not what you expected. In what ways does the class not meet your expectations?

- * I thought that there would be online lectures. The course was basically reading the book. I thought that there definitely could have been more to the course website.
- * there is much confusion between the faculty and it ultimately makes it harder to address issues such as errors in the online quizzes and lost points.
- * More support from faculty staff is needed for student success. As a self-study learning courses for on-line classes which fit well for working-students, I recommend the curriculum should provide more details for what's important from the text book for on-line student to focus from the reading instead of reading from A-Z from each chapter of the text book. I recommend more teacher-student contact individually for support of students' progress.
- * I would have preferred more interaction with the instructor.
- * I decided to take this class because I have taken other classes online and I thought it would be a easy class to take online. At first i thought that the class was an okay class but as the weeks went by it became worse then what I expected. As the experiments got harder and we had to use certain metals and mixtures and so forth, I found out that there was nothing that I needed in the kits, but what I did find was that everything I did not need was in there. I think that the kit was a waste of money. I think that before an experiment is written or even given out someone should make sure that everything that a student might need is in there. The price of the kit was \$130, and for one of the experiments I needed to go spend ten to twenty dollars on something that should have been given to me for the experiment from the school. I know that I will never take a biology class, chem class, or any other class like those online again. This was the worst online experience ever for me.
- * The reading assignment needs to be more focused (i.e from page to page) instead of the whole chapter in the textbook. In addition, the faculty member needs to have more office hours, and those students who may need help understanding the info. may get individualized attention. Also the online lecture needs to be more specific. I think I learn mostly by myself with the online class.
- * The class was a really bad experience. There was absolutely NO guidance from the professor--there were only lecture notes on chapter 1 from the textbook, the only materials we received was a syllabus posted online and even that had errors on it (much of the material tested on in quizzes and exams was from sections of chapters that we were not instructed to read according to the syllabus), and there were errors on the quizzes. When I brought these errors to the attention of the professor he made no mention of it in the class "discussion board". And finally, the professor did not respond to any of the questions I posted on the discussion board. He only occasionally responded to a few students questions here and there with scant on-line responses, and only then to questions about how to access online materials, not about content of the course. To be honest, I don't know what the purpose is of having an instructor for a course like this if that is all he is going to put into the class. He doesn't have to do any grading, because it's all done online, and apparently he didn't have any requirement to share lecture notes, and his contributions on the discussion board were entirely un-helpful. In fact the only thing he did supposedly do was to post the syllabus and quizzes and there were errors on those which he didn't even acknowledge in the public shpere of the discussion board. What if other students didn't catch his errors and received the electronically graded quizzes and received mis-information from the quiz? I was completely dissapointed, I could have gotten just the same amount of instruction from reading the textbook on my own time, and the professor seemed completely unprofessional.
- * I go to a private Christian college and it was unexpected that they would allow such overt teaching of evolution as truth. I was more surprised by my own school's decision.
- * I am having a hard time understandin how much the course quizzes are worth and what are the points that we have already obtained. Another thing that i find confusing is that there are no due dates or times. I dont like the whole due in the first five weeks of the semester" I can easily get confused with the dates.
- * I was hoping that there would be a midterm review before the midterm but the professor did provide us with key points to go over.

Text and Paragraph Responses by Question

Science Student 2007

Question: You indicated that the class is not what you expected. In what ways does the class not meet your expectations?

- * I thought the labs would be much more hands on.

- * I expected a stronger connection between the lecture class and the lab. Two completely different instructors with two completely different styles of teaching and conducting classes has been challenging. The introduction of a new textbook for Anatomy lecture in the Spring 2008 semester that does not coordinate with the lab manual, which was from the previous text, or the graphics of the lecture has caused some confusion to a first time anatomy student. Enjoy the subject matter and professors immensely, though. Once the text, lecture and lab coordinate subject resources it will greatly improve the quality of the course.

- * The tests did not match the material covered. I attended the study sessions for the final and the professor did not know some the answers to the questions. When students questioned something, the professor was abrupt and at times rude.

Text and Paragraph Responses by Question

Science Student 2007

Question: General Satisfaction: If you answered "Dissatisfied" or "Very dissatisfied" to any of the above items, please explain your concerns.

- * I was trying to get my transcript released to Southern Illinois University, when I when to degree checker, it still said not released by college pending final grade, I have emailed and received a reponse that they should be released since I was in Fall Term I, but nothing has been released as of now. I did a follow up email and no response to date
- * Loved the classes that I have taken. The school has a variety of classes and the program is user friendly.
- * I always expect more out of myself.
- * our labs are very hectic because there are missing ingredients as well as have to share certain things due to the low budget. we had to rinse and reuse styrofoam cups! that's clearly a lab not concerned with learning but rather their budget.
- * I wanted to enrol in general micro and bio chem necessary for my pre req...the micro at CC is introductory which is non transferable!!
- * The work during the days and live in Riverside County. I take online chemistry at Coastline b/c it fits in my schedule but you remove the Sat morn lab from the schedule I can no longer take classes at Coastline. The schedule does not take into consideration some people can not make it during the wk.
- * The instructor was very accomodating and helpful.
This course was very informative and just one more 3 hrs class I'll be finsh with my AA degree.
- * Please see my comments on the previous section. For students taking the on-line science classes to be successful, more support and better curriculum are needed.
- * I really enjoyed the class: the choice of text, the prepared lessons, and the overall flow and feel of the class. Ms. Secord is an awsome teacher; her personality and personal approach to teaching transended technological boundaries. I wish the other online teachers were as effective as Ms. Secord. History and Philosophy specifically, needs an overhaul. They don't teach, or explain, they are basically forum administrators. Ms. Secord made sure that her students understood the material, if they didn't, it became her problem which she fixed. History and Philosophy assumes you come in the class with a Master's degree in the subject.
- * The instructor replied to my questions promptly.
CCC is very helpful and friendly to military students.
This is a very good course for someone who wants to learn basic knowledge about our planet.
I was very pleased with my performance in this course. I thought that I wouldn't understand the material.
- * Very satisfied with the course. It was demanding but not to much with all the assignments and I learned a lot which is always the goal of instruction.
- * I really enjoyed the course and will take more courses in the future.
- * The teachers don't provide enough information about what is expected from the class. There needs to be a simple list of assignments saying when they are due... students shouldn't have to go searching all over the web to figure out when an assignment is due. And they most certainly shouldn't make it to the end of the class without realizing there was a weekly assignment they never knew about.
- * Professor [redacted] was not effective at all as an instructor. He was unclear and his lectures were very disjointed. Professor May Anne Mattar on the other hand, was fanastic! Very clear, organized and willing to help in whatever way possible.
- * Instructor was very helpful and available to answer any specific questions. Superb job and course.

Text and Paragraph Responses by Question

Science Student 2007

Question: General Satisfaction: If you answered "Dissatisfied" or "Very dissatisfied" to any of the above items, please explain your concerns.

- * Took to may online classes at once and couldn't give my full attention to one specific class.
- * The online class was great for me being a single parent.
- * The professor failed to engage the students through the obline forum.
- * Excellent program. The best on-line program available
- * I had a few family problems and was easily confused with the schedules because they are similar to cal state lonb beach but not the same so i missjudged some of the dates
- * The online class needs more focus on the material.
- * I think I voiced most of my concerns in the previous question. Overall, this class was a waste of my money and I don't know what professor [redacted] gets paid for because he didn't do anything a professor should do—provide any instruction, grade the quizzes and tests himself, put together a syllabus that is consistent with the quizzes and tests, or respond to students concerns. In fact I am considering filing a formal complaint with the department. Perhaps professor [redacted] is a fine instructor for classroom courses, but for an online course, he was completely ineffective.
- * This was my first time taking an internet class and I have to admit I was fearful. Ms. Secord's instructions were terrific and the administering of the course was better than I expected.
- * The staff lost/misplaced my faxes.

Then, told me I was taken cared of.

Then I called after the break and was told that my books were not ordered and that my papers had been filed under active duty personnel and my classes had not been charged to my credit card yet so I was not even enrolled.

However, in the end, someone there had to pick up the slack of a very lazy staff member, but I was taken cared of.

Very poor service. Excellent program!

I do appreciate the convenience and the minimal cost.

- * Instructor has been unavailable the entire semester- students had to rely on each other to know what we were supposed to be doing. Instructor did not respond to group discussion, email or phone calls.
- * Very satiisfied. everyone with the distand learning department is very helpful and coureous
- * Communication between the staff, support group, and students were poor in this class. Support class could never answer legit questions, and instructor never got back to any of my e-mails.
- * I was more upset with the fact that I did not receive my quiz scores and I tried to contact the DL department in time for the Midterm Exam and I was unable to get the answers.
- * I repeatedly tried to get help with my internet connection and no one at coastline was able to or willing to help me.

Text and Paragraph Responses by Question

Science Student 2007

Question: General Satisfaction: If you answered "Dissatisfied" or "Very dissatisfied" to any of the above items, please explain your concerns.

- * Whenever I needed help there was always someone there to help me.
- * I am currently taking bio lab 101, and I am having difficulty with completing the labs. I feel like I am missing a book or study tool because what I read in the lab book doesn't always allow me to answer the questions for the lab. I need to contact the instructor and I take full responsibility for my struggles. I have enjoyed the class this far and have even impressed myself with what I have learned so far.
- * I am satisfied with the class. The only thing I would change would be the communication between the students and the professor. It gets a little chaotic when we need to know when the tests are going to happen.
- * I didn't answer as mentioned above, but I would like to say that the DL center did not send my tests to be proctored even though they said they did. This created alot of havoc for me. Also the quizzes were not loaded for a very long time after the classes started. This puts the student behind right off the bat. Many students from the DF's were frantic about it. It didn't work well for me either.
- * With Coastline offering the biology class on line it gives me the opportunity to take the class at my own pace, with my work hours of 40+ this online classes are great. The curriculum is great, the variety of classes they offer is great, the staff and faculty meet the students needs.
- * I didn't answer as stated above but just wanted to say that Bio Lab has nothing to do with my current or future job. Also it would have saved me a headache if the DL center would have actually mailed my mid term when they told me they did. I had to have mine proctored. I did everything I could to make sure things fell into place but when they say it went on this day & it wasn't mailed for another 5 days, well that can cause big problems. Also the quizzes were not set up to take for weeks. I had to US mail mine in. Also I have not received a response to a question I posted in DF & directly to the teacher. I posted it 2/8. I have already been tested on the chapter. I would like an answer though. I am paying for my education.
- * I wish that instructors were more clear about what they expect from students. Our astronomy instructor would give us quizzes expecting us to find the answers on the web since the textbook did not have a clear answer. Looking for answers on the web is very tricky, since there are many contradictory theories out there, particularly when it comes to astronomy hypotheses.
- * The program isn't relevant to my current job. I am just taking the courses to satisfy my undergrad requirement, so it doesn't have to relate to my job.
- * The professor needs to respond to students question.
- * Instructor communication: I understood what my assignment was and what was expected.
Variety of classes:Coastline offers all the classes online that I need.
Meeting needs of working adults: I am taking classes from Coastline rather than Modesto JC (where I live) because MJC instructors have weekly assignments and you cannot work ahead. They also pile on busy work.This is my first Coastline class and although I think the class is very difficult for me the time constraints make a big difference for me.
- * As a working student this class is great for me. I don't have to make a weekly deadline. I can work ahead and not worry about leaving town for a week or two as long as I'm ahead of the deadline.
Although the material is difficult I am doing ok so far.
- * There's no variety to the classes - pretty much the same across the board.
- * Not sure of the grade at this time, some quizzes, essay scores not available yet. Concerned about passing the class.

Text and Paragraph Responses by Question

Science Student 2007

Question: General Satisfaction: If you answered "Dissatisfied" or "Very dissatisfied" to any of the above items, please explain your concerns.

- * Have explained previously the confusion caused by a new Anatomy textbook by Saladin while using the older lab manual from the Van der Graf text (which apparently is no longer available). The Saladin book is excellent, but it is difficult to use a manual which ties to a text not currently used or offered by the college bookstore. Also find it odd that all students enrolled are not required to buy and use the recommended textbooks and manuals and many have not. Why does the college not require students to obtain these resources? Isn't copying of a lab manual an infringement of copyright laws with the publisher? I have to believe that students who can afford cars and cell phones should be able to buy books? Is it only older students who return to school who realize the value of owning your own books?
- * There is usually a little more assistance. Also, the course website is not on par as some of the classes I have taken.
- * The professor did not seem to be able to communicate with the students in an appropriate manner. When I called the college to get information they were unreachable. I went to a study session at the main location but found it that was not the right place. Luckily there was a student in the parking lot who could direct me to the right place. There was no one there from the university to offer any help in that situation.
- * I've called the tech department for help and I never got a phone call back when I needed my password reset. Other than that incident, the professors are fantastic. I'd like more classes to be available online.
- * The only concern I have, is that the biology lab course was alot more difficult to complete than I expected. But I am glad it was offered online. I would also like to recieve an e-mail to verify that my labs were received, that would make me feel alot better about my upcoming final grade.

Question: If you answered "Disagree" or "Strongly Disagree" to any of the above statements about facilities, please describe your concerns.

- * we need more supplies such as paper towels!!! more autoclaves, a pressure cooker that works. new bunsen burners. more test tubes and racks. things are pieced together. they work but are not supportive equipment for effiecient learning space
- * need more station
- * I didn't take the lab.
- * The lab is an on line course
- * I hardly saw any lab equipments.
- * The lecture room would benefit from a theater style seating plan with greater visibility of lessons and amplification of sound. The lab needs additional equipment and resources to make labs easier to conduct in the time allotted. Would appreciate some additional time available to come and use the lab for study purposes and test preparation outside class time.

Text and Paragraph Responses by Question

Science Student 2007

Question: If you experienced any technical difficulties or if you answered "Disagree" or "Strongly disagree" to any of the above statements, please explain the problems you encountered or the nature of your concerns.

- * i did not have contact with other students in my class, it was in no way necessary for the progression of my education.
- * Students do not want to interact. In the 4 courses I have taken only a very few students would reply to questions. However, instructor interaction was good.
- * I think that you have more interaction with students in class room. I think it like with any relationship you have to learn the person before opening up.
- * For me, Distance Learning just is not the same as in-class.
- * I don't interact with the instructor with any of the classes I've taken,because the way everything is explained in the start of the course only major concerns needs to be addressed. Confusion is a question raiser,each course introduction solved all my questions.
- * I am a very social person, so I probably would talk more with people in a classroom vs. online.
- * I feel that I have taken much better courses than this because they had online lectures with the teachers voice and animated slide shows that help you visualize the material. I feel the only reason I got a b in this course is because I am very good at science and able to visualize processes in my mind but I think that many other types of learners would have a great deal of trouble with a course that only has visuals in the book or the few videos. I also think that if this was my first online course I wouldn't want to take anymore because it requires alot of motivation to try to excell in a course when you're only learning tool are a book and few videos.
- * It probably isn't news but classroom interaction will always surpass online. Typing away at a screen just isn't the same as being there. The information necessary to learn the subject is certainly there. One thing is certain, if I have a small question (and I usually have a lot), I will spend more time trying to find the answer myself for online classes while in a classroom setting I would simply ask. That in itself compels me to do more research (which probably isn't a bad thing I suppose). I work full time though and this fits my schedule better.
- * it makes it harder since there isn't that learning atmosphere.
- * I have had more interaction with instructors in classroom-based courses. The reason is because being in a face-to-face class offered more opportunities to interact with the instructor on a daily basis. However, this did not at all make this class inferior and if I felt the need to have more interaction with the instructor I could of put out the effort to achieve that.
- * I take only on-line class's I have not been in a class room yet. However, I am very satisfied with on-line class's
- * Communication between faculty and students needs improvement. As a returning and working adult who already has a Masters, Bachelors, and Associated Degrees from University of California, California State university, and community college, I was disappointed with the on-line course which I took for the first time. The experience would be more enriched if the curriculum is designed in more detailed format with better focus, and if there is more support from faculty. However, Coastline has been one of the pioneer college to offer more variety of science courses which I do not find in other community college. Thank you for providing the opportunities for working adults to return to school. As I mentioned previously, the on-line courses can be very helpful if more improvements are made.
- * Awesome class, just a few technical difficulties with Test Pilot and Seaport.

Text and Paragraph Responses by Question

Science Student 2007

Question: If you experienced any technical difficulties or if you answered "Disagree" or "Strongly disagree" to any of the above statements, please explain the problems you encountered or the nature of your concerns.

- * Difficult to get in contact with instructor.
- * Just on the basis of the nature of on-line courses theres never anyway you can have the same or more interaction as a classroom based class. However, that said the ability to interact in an online course is possible via the discussion board which is a great tool. Not all classes i've taken use the board which I feel is counter productive and affects learning negatively.

I am more than pleased with the online classes CCC has and it far better than some of the other college courses out there currently. The classes are very user friendly. Some testing issue for the first time in my current class. but even the staff helping me with that are/were efficient, helpful, and very understanding and worked the issue until a viable solution or workaround to come to a satisfying outcome to the issue or problem. Great job all around!!

- * My first class since high school.
- * This was my first college class in 23 years.
- * I don't interact with anyone in my distance learning classes.
- * I work better with a teacher by my side then through a computer, but I don't have the option to go to a classroom and take classes.
- * Always hard to replace in classroom teacher to student interaction. I do have to admit that it is nice to be able to take classes while working my weird schedule.
- * Nothing was in the lab kit that we needed.
- * I feel like I don't get the support in the online course like I am with the traditional classroom.
- * At times I was not able to access the online system and the lab kit we received in the mail did not contain MANY of the materials that we needed to complete the labs. However, the professor did not provide us with any warning that this would be the case or any guidance on which portions of the lab reports we would be expected to fill out, he just said "be creative". I think I've already voiced all of my concerns over the professor in previous responses.
- * Many items contained in the lab kit were not used in this class, and we had to improvise a great deal. I think a seperate, relevant kit should be sold for each lab class.
- * The nature of online courses does not allow for personal interaction between the instructor and fellow students.
- * There was limited interaction with the instructor. The course was self taught. There was no discussion with other students built into the course.
- * During midterm essay, only half of essay was submitted for grading, eventhough it was completed. Situation was resolved.
- * Personally, the course was self explanatory and only required the self discipline to read the lessons. No interaction between students or professor was required.
- * Instructor has not been available the entire semester

Text and Paragraph Responses by Question

Science Student 2007

Question: If you experienced any technical difficulties or if you answered "Disagree" or "Strongly disagree" to any of the above statements, please explain the problems you encountered or the nature of your concerns.

- * Being knew to cooastline, I just had to learn how to work everthing on the computer.
- * It may be the way that I learn, but I believe it's a better quality of learning in the classroom because the teacher can explain if there is one section that is more relevant to know than others. I wish there was more of a study guide to let us know if there are sections to focus more on. It would also be nice if there was more information about where tutoring could be offered.
I don't feel that there have been chances to interact with fellow students. There is not a discussion board. For the Cycles of Life DVD, I was disappointed to find out that it would not play on my computer (which plays DVDs), only on a regular DVD player. It would be MUCH more convenient if the DVD were on a DVD-ROM compatible DVD.
- * I feel that while taking a class that involves techincal aspects, it is very important to communicate with the instructor during his lecture in order to understand the material. I have had to seek outside instruction in order to comprehend some of the material presented in Biology 100 & 101.
- * My only concern was it was a little difficult to reach the teacher. But it was self paced, so I managed to get through most of the issues. I was not able to communicate with any other students...
- * Limited, if almost no interaction with the instructor.
- * I had a very hard time logging into the Seaport system with my charter cable service.
- * It is difficult to interact with people in a distance learning class because you never get to meet them. In a classroom-based course it is quite easy to interact with fellow students because there are right there next to you.
- * Again, my bio lab study lab manual doesnt cover whats asked in the lab.
- * While taking my Mid Term, the screen went white on me twice. I have taken MANY online classes & I have never had that happen. I had to redo the test. DL center had no record & if they did they could not email me what I've done so I wouldn't have to work so hard at redoing the test. Major upset with me!!! Not with DL center but with the test screen going white on me & the hassles I had to endure as a result of that.
- * I don't have as much or more interaction with the instructor nor fellow students in my distance learneing course than i do in my classroom-based courses.
- * This is a great course, the only thing I would change is a one or two time meeting with the instructor. I really don't care that I interact with other students, but sometimes a one time meet at the begining of the class to have him or her go over every thing helps. Or at least give the students the option for a open class intro meeting.
- * I mentioned in the previous section about not receiving a response from my teacher. The online program is great for saving time & drive time. But you will never get the same interaction online as you will in a classroom. It's a trade off. In a classroom you're forced to listen to discussion, online you pick & choose. In a classroom I would have had my answer to my question right away.
- * Some classes are just too big (about 120 students), so it is difficult for the instructor to respond to each one of us. I really like instructors who actively participate in the forums, asnwering our questions. This way he can even save some time, since most of us have the same concerns. About 50% of instructors don't do that. I also like it when the timeframe is clearly defined, with the reasonable deadlines. This way we don't have a chance to procrastinate, but at the same time we can assign a necessary time for each class.
- * I can't always access the website to do my homework. As for student interaction, I haven't felt as if I've needed any so far.

Text and Paragraph Responses by Question

Science Student 2007

Question: If you experienced any technical difficulties or if you answered "Disagree" or "Strongly disagree" to any of the above statements, please explain the problems you encountered or the nature of your concerns.

- * The professor or student aid needs to reply to students questions.
- * This class is better than a classroom because I would not attend a class if I had to attend at a certain time and place. I cannot commit to a classroom schedule.
I already wrote about how this class is superior to Modesto JC classes.
- * The only other program I am aware of is MJC's online program. They have weekly deadlines that do not allow you to work ahead.
- * For a while I was unable to reach the actual coastline site because I was told the type of cable I had, Charter Cable, did not allow me to communicate with the site.
- * I don't have as much interaction with instructor or classmates. But overall I'm strongly satisfied with the course.
- * This was a lab class and during many of the labs the needed materials were not included in the kit that I had to purchase. I had difficulty finding the materials and completing the labs in a timely fashion.
- * I am in a chem class online which is a little bit harder to decipher and learn as opposed to being a lecture and being able to see examples done in person.
- * I don't necessarily need student interaction so that isn't a problem, however I have had many instances wherein I cannot log into the course website. This subsequently causes me to turn in assignments late because I am not able to log into the course website.
- * The only reason I disagree is because it is near impossible to meet the interaction of a classroom-based course when all instruction is online. This does not mean that I have a problem with the level of interaction, just that it is not quite the same.
- * Although this class is self-paced, there has been little interaction with the professor. I have not tried to contact him but feel that if I did I would receive a response.
- * My other concern was that e-mails of other students were not available and I could not interact with them to possibly get some help with the work.

Text and Paragraph Responses by Question

Science Student 2007

Question: You indicated that you have dropped out of a Science class before completing the course. What is the primary reason you dropped the course?

- * Too busy at sea on a submarine to complete the course.
- * Time, no time to fulfil Lab requirement.
- * It didn't fit in my schedule anymore.
- * Family crisis
- * It conflicted with my job.
- * Personal reasons
- * I was young
- * because the professor did not fully inform me what was expected of the class. So i reached the half way point and realized there was no way I was going to pass.
- * Time constraints due to work, family and other classes.
- * I had out of town family medical emergencies so had to drop in the first week or two of the course
- * Poor time management. Got behind on the work.
- * I was pregnant, working full time and had too much on my plate to handle
- * My schedule is in constant flux, and I was not prepared for the Bio class I had originally signed up for to start so early. I just changed the dates of the class, I still have the same material and instructor.
- * personal family and work issues.
- * I was working to many hours and did not have much time to study.
- * Got very busy
- * Personal illness caused me to drop the entire semester. After surgery I re-enrolled and was able to complete the previous courses that I was enrolled in.
- * I changed the lab for this concurrent class because I was not prepared to take it at the time.
- * The class was alot more work that I originally anticipated it to be. I had to get a private tutor to help me finish my labs and complete the work. Im so glad its almost over.

Text and Paragraph Responses by Question

Science Student 2007

Question: Is there anything the instructor or college could have done to encourage you or that would have enabled you to successfully complete the course?

- * Tell the navy to give me time to complete my course.
- * no
- * no, my instructor was great. Again it was a personal issue.
- * No
- * let us know each assignment that is due all in the same place... not on three different websites
- * Hold a discussion group or something interactive.
- * No...I had to concentrate on my personal situation
- * no, it was my own fault for not giving enough time to studying.
- * Not really, i just did not have the time to finish up the course
- * No, this was an action solely on my behalf.
- * Not really.
- * No, I wanted to drop it so that I could retake it and get a better grade in the class.
- * no
- * No. I didn't have a choice.
- * No! Great professor.
- * Tell me that i can turn in the labs when i fully understood them instead of the required deadline, i felt like i was finished with one then all over again and i did not fully understand what i had done in the first lab

Text and Paragraph Responses by Question

Science Student 2007

Question: In your own words, please tell us what you most want to learn or accomplish from taking Science courses at Coastline?

- * Clear communication from an instructor.
- * My main goal for the course was to pass the class for my science credit in order to transfer to CSULB. I had hoped to gain some knowledge in the process of taking this class that wouldn't be easily forgotten.
- * My primary goal is to satisfy my lower level classes at a cost I can afford and to be able to still take courses at my own time while working full time.
- * Its not as difficult as I thought it would be. I had to read and stay focus.
- * I wanted to finish my Gen Ed.
- * the earth crust.
- * I love to learn new things.
- * I want to perform at a high level in all sciences. Primarily to become more well rounded and improve analytical thinking.
- * Degree Requirement
- * Fulfill the CSU general education transfer requirements
- * Fun to do at home at my timeframe
- * Finish my AS
- * The main thing I wanted when taking my science courses is for it to be easy to reach the teacher so if I needed help on anything or had a question they could answer me back quickly, and they did. I was very satisfied with the outcome of my science courses.
- * Better understanding of the environment and processes happening around me.
- * My goal was to complete this course to satisfy the general education requirement in order to transfer to a four year program
- * I want to improve on my knowledge of various sciences. I know that my line of work is not science related, but it's definitely a subject that interests me.
- * the prerequisites for the upper division courses
- * Initially my intent and focus was to just acquire necessary units to transfer; but I found the classes to be interesting and actually wanted to learn the material out of simple personal interest developed while taking the classes.
- * get my general chemistry course done with
- * To learn about the analytical aspect of science.
- * I needed to take this class for my general education classes, but I actually enjoyed it.

Text and Paragraph Responses by Question

Science Student 2007

Question: In your own words, please tell us what you most want to learn or accomplish from taking Science courses at Coastline?

- * The Geology and Astronomy courses I took were subjects that I had a passig interest in and needed to satisfy the degree requirment.
- * Meet AA degree requirements. If Science is required for Gen Ed credits at 4 year universities, I might as well take something that interests me - Geology was (and is) interesting.
- * I wanted to learn about the earth and about the aging process. this goal was accomplished. I need the Science classes for my job and they fit my needs.
- * I would like to learn and accomplish facts about the enviornment that I may come across in the future.
- * I'm very interested i Geology since I'm from Calif. and I would like once I retire from the military to presue a career in geology!
- * Just want to pass the course to fulfill degree requirements.
- * I wanted to fill my GE requirement for science while concurrently taking upper division classes at a 4 year University
- * n/a
- * to get an A in the class so I can apply to med school
- * By taking science courses at coastline, I want to learn a little bit more about the subjects that are being taught.
- * Relivance of the subject to actual life and enviornment.
- * Would like to accomplish my AS Degree at OCC, and transfer these courses to OCC
- * General science knowledge.
- * been able to complete an AA degree and transfer to a four year college.
- * GE requirements.
- * Learn about the Earth composition.
- * Learn material that would otherwise be much more difficult at my universiyt. Also apply the material to other major courses
- * Any thing that opens my eyes to the world around me.
- * Able to understand the concepts that are being presented.
- * Associate's degree in general studies.
- * Transfer to University, Promotion at work

Text and Paragraph Responses by Question

Science Student 2007

Question: In your own words, please tell us what you most want to learn or accomplish from taking Science courses at Coastline?

- * I want from my sciences class what I want from any Coastline class, for it to fully prepare me for upper-division level course work in the subject. I feel that Coastline was successful in that regard.
- * I needed to take a science course to satisfy my degree requirements for a Bachelor degree in WED. However, I am very interested in this subject and would have taken it just to learn more about the sciences.
- * Finsih my general education studies.
- * Just learning basic knowledge about the planet.
- * How the Earth is formed, the inner workings of Earth (land-sea) and all the different areas never given thought before taking the clsss and how all things interact to make up our Earth. This class was part of SOC and I wouldn't have taken it without that requirement, but I'm glad I had to take the classs based on my learning from taking it.
- * I am trying to fulfill admission requirements for PA school
- * I have had an interest in geology, especially volcanos for a long time, and I also need the science credit.
- * The basics of geology.
- * My degree
- * My B.S degree
- * general knowledge
- * I wanted to fulfill a g.e. requirement
- * Everything that their is to know what the human body and animals.
- * It was my final requirement to getting my bachelors degree!
- * As a transfer student, I want to learn everything anyone else would learn taking the class at a cal state or uc level.
- * learn about testing and maintaining quality assurance of products, water, and petroleum products and ensuring they are safe to the public.
- * General overall exposure to various fields of science.
- * I want to learn more about the Government
- * to be able to utilize it in my future job
- * I just wanted to learn something different.
- * no comment

Text and Paragraph Responses by Question

Science Student 2007

Question: In your own words, please tell us what you most want to learn or accomplish from taking Science courses at Coastline?

- * Just needed this class to complete my requirement for an AA
- * Learn about the Science course at my own pace, without having to rush through it. Re-read and if needed work on the same chapter another day, without having to worry about finishing a chapter or topic in one class meeting and time.
- * I needed this class for my BS degree but I also was interested in the subject matter.
- * none
- * I want to learn more about the environment and health.
- * AA Requirement
- * I gained an interest/appreciation in a relevant science.
- * All that I need to know to become a great nurse.
- * Complete some requirements to complete my 4 year degree
- * I wanted to pass the Chem 110 class so I can start on my pre-req for nursing.
- * how to teach chemistry to k-5 students.
- * Getting an A
- * I do learn, but mostly on my own
- * to fill a prerequisite requirement for nursing school
- * I needed to take this course to complete my Bachelors Degree thru Chico State. This online course was very convenient for me.
- * I am a Special Education teacher who is designated to teach Science. I need to learn more about the various topics in Science.
- * To learn new things and to satisfy the requirements I need for graduating.
- * To meet general ed. requirements for GE certification to 4 year college
- * I took Geology to satisfy my general ed requirements for graduating from Pepperdine University.
- * The science class goes towards the Bachelors I am going to work on after I finish my associates with Coastline. I enjoy science and plan on basing my minor on Natural sciences for teaching.
- * Meet requirements for Associates and Bachelors degree.

Text and Paragraph Responses by Question

Science Student 2007

Question: In your own words, please tell us what you most want to learn or accomplish from taking Science courses at Coastline?

- * I'm very interseted in Marine Biology.
- * Everything about biology
- * I want to learn a little more about the humans cells, tissues, organ systems and organs.
- * I choose Biology as my science course, because it is something that has always interested me. The more you study Biology, the more you realize the meaning of life, nature, every single thing that surrounds you.
- * Nothing more
- * I am working to finish the courses needed to get my teaching credential.
- * I wish to have more knowledge in Science.
- * I learned about concepts through hands on experience with lab assignments. I have been so afrain to take this class. Mr. Warwick had a great way of helping you remember and learn the information.
- * I hope to acquire the knowledge that is necessary complete the course and my education.
- * I would like to gain an understanding about science that will build a foundation for me when I transfer to a 4 year university.
- * be able to understand what i read
- * Gaining general requirements to move onto higher science courses.
- * Being able to know how to do labs at home.
- * I would like to learn as much about Biology in an Intro course as possible.
- * I want to learn what is intended to be taught by the instructor. I want to accomplish it at my own pace and to receive help from the instructor if I need it.
- * I want to learn what the instructor put in the curriculum. I want to be able to learn it at my pace and now be restricted to a rigid and fast schedule.
- * I want to be able to take the class at my own pace while still acquiring all the biology general education knowledge I'd like to have for the future. I want to know the material, and not just pass the tests and forget about the lectures.
- * satisfy degree requirement.
- * classes room are small
- * Basiacally a review of the Scince clas that will satisfy my degree.
- * Review of Science for degree

Text and Paragraph Responses by Question

Science Student 2007

Question: In your own words, please tell us what you most want to learn or accomplish from taking Science courses at Coastline?

- * I want to understand the basics of Biology.
- * Satisfy degree requirements while working full time
- * My current class in taking me to new areas of learning I have not really thought about before. Learning about cellular structure and how photosynthesis effects life is fascinating.
- * I'm meeting these prereqs for my biology degree, so, everything is going as planned
- * I want to pass the Lab and classroom so I can move on with my education.
- * I want to pass the class and be able to understand the material.
- * I would like to accomplish for Bio
- * A better understanding about the principles of biology.
- * I want to get a basic understanding of science.
- * I want to obtain the basic science background before i head onto the higher science coarse such as anatomy, physiology, etc.
- * I would like to get a better grasp on the subject.
- * I would like to get a better grasp on the subject.
- * I would like to learn how things are formed or how things came to be.
- * Learn more about biotechnology.
- * To improve my understanding and to meet prerequisites needed for a nursing program.
- * The basics of science, which was done.
- * Gain a sound understanding of the course taken in order to successfully continue with more advanced Science courses.
- * It has been some time since i was in a Science class at all, i feel that the class is well based and gives the fundamentals of acience
- * Learn the same information as I would in a classroom.
- * I want to meet my life science requirement.
- * I want to learn the fundamentals of Biology.

Text and Paragraph Responses by Question

Science Student 2007

Question: In your own words, please tell us what you most want to learn or accomplish from taking Science courses at Coastline?

- * i just want to pass this class with a C+ or higher
- * i want to compltet my bio lab with a C+ or higher
- * I learned to have confidence in takign a science class. I enjoyed teh instrucotrs enthisiyam and method of teaching the subject area.
- * I want to learn how to identify specific organs, organ systems, etc.
- * I want to get an A in my Science courses at Coastline and want to become knowledgeable in biology.
- * I would like to get a passing grade in order to graduate early from my four year university.
- * I want to learn about human gentics
- * My goal is to satisfy my basic requirements for graduation.
- * I want to learn about how the body works.
- * I would like to accomplish passing the class so that it fulfills my transfer requirement.
- * Only taking the class to fill the graduation requirement.
- * I want to be able to pass this class since science and math are my weakness.
- * In all honesty I am Just trying to finish up my science requirment and move on to a four year..
- * to pass the class
- * Completing my required classes to receive my AA.
- * Fulfill science requirement for degree
- * I want to earn an A in my Science courses at Coastline and want to gain knowledge in the subjects of the courses.
- * I want to learn about cells, and the basics of life
- * I just want to pass the class. I need it for Cal Poly.
- * I want to learn about humans genetics.
- * I would like to have a better understanding have living things around us work, so taking this class really help me with that.

Text and Paragraph Responses by Question

Science Student 2007

Question: In your own words, please tell us what you most want to learn or accomplish from taking Science courses at Coastline?

- * The scientific study of life. I hope I will gain a general knowledge on structure, function, growth, origin, evolution, and distribution of living things
- * I want to enhance my knowledge of biology at my own pace and not have to worry about taking notes in a classroom setting
- * I really just took it because I had to. I have not enough time or money to take classes for any other reason.
- * I just would like to better myself. I am trying to revieve my BA Degree as I believe this will help me to promote at work.
- * I want to finish all the preparatory subjects for Respiratory Therapist.
- * I am just taking this class to be able to transfer to a 4year university.
- * I want a general understanding of biology
- * Learn something about science
- * Understand more about life and evolution. Human beings, animals and plants. not only to get credits, but to help out my kids at school.
- * Ultimately the clas is necessary to fulfill my lower division classes.
- * By the end of the semester, I think I have more knowledge about the science class, and what I've learned the most is self-study in addition with the lecture online from the instructors
- * I want to learn what is needed to fuffill my graduation requirements
- * Pass and earn credit
- * Pass my class successfully.
- * I just want to have a better understanding of the basic biology and what it has to offer.
- * Just taking it to fill my requirement. Whatever I am able to remember & use later in unknown.
- * It is required for my transfer. Any science class is very interesting, but quite hard. Also, I do not really understand how some science classes will help me in my career. For example, I am taking biology now. I find it fascinating, but really not my cup of tea.
- * More about the basics of science. Professor Warwick is an excellent instructor and I would not change anything about the course or the lessons so far.
- * Personal knowledge and the ability to transfer to a 4 years university.
- * Enough to satisfy my learning needs to complete the needed courses for general education.

Text and Paragraph Responses by Question

Science Student 2007

Question: In your own words, please tell us what you most want to learn or accomplish from taking Science courses at Coastline?

- * want to know everything i can about the human body. so later on in my career i will have confidence in what im saying
- * In New Hampshire where I live, there is no school offer science classes online. I am so happy to find out that Coastline community college offers varieties of science classes through Distance Learnig. These opportunity allow me to learn more about science during my own free time and still have a full time job.
- * Prepare myself for Gross Anantomy in Med. School.
- * I want to learn the basic of Biology.
- * To transfer to CSU.
- * the love for science again..I use to love science and than I took a science class through another school and the teacher made me hate science!
- * Want to pass
- * finishing A.S degree and improving my career skills
- * To fulfill pre-requisite classes for further education.
- * I am taking the Anatomy in Spring 2008 and I am really like this class. I want to learn all the muscle, bone, nervous system, all the organ and what their functions. Beside that, I also want to known how these organs work together.
- * I wish to fulfill my science requirements at Coastline to transfer to a four year university. I also wish to have a better understanding of all sciences.
- * I want to complete the course with an A and be able to leave enough knowledge to educate others who need help.
- * meet a CSU requirement.
- * Learn and apply the information
- * I want to complete the course to move on to my next program. I also want to the learn the subject materials.
- * What I most want to learn or accomplish from taking Science courses at Coastline is that it will help me pass my CBEST. I hope that this class is relevent to any other classes at another college.
- * I want to learn the material well enough to have a good knowledge of it and use it when I go into the nursing feild.
- * Web based lecture notes are easy to access.
- * Honestly I would like to pass the calss and get my units so I can get the rest of my degree.
- * I want to learn about how the reproduction system works.

Text and Paragraph Responses by Question

Science Student 2007

Question: In your own words, please tell us what you most want to learn or accomplish from taking Science courses at Coastline?

- * I would be satisfied with learning the basics of Biology and getting a B in this class.
- * I wanted to take this class because I didn't know much about it, and I needed it to satisfy my pre-rec's needed in order to continue onto a 4-year college.
- * Complete my BA in Business
- * I would love to get a better understanding of how life began.
- * I would like to get a better understanding on how life began.
- * chemistry
- * I am enrolled to complete the prerequisite science courses to apply for admission to an entry level BSN or MSN nursing program. I currently possess a Bachelor's degree in a non-science field. I am returning to school to prepare for a second career.
- * I want to learn all the stuffs I'm supposed to learn.
- * Fulfill required course to transfer.
- * What I mostly would like to learn is basically the whole theory of biology.
- * My only reason for taking the science class was to complete my AA degree. I took the online class so that I didn't have to go to a class once a week.
- * I would like to learn the stated objectives of the science course.
- * I would like to have a good understanding of Anatomy and be well prepared for my future nursing education.
- * I need to complete this class to transfer to SIU and complete my BS.
- * Memorizing all of the terms and the materials that I've studied and using them in the future.
- * This was a GREAT course it kept me interested throughout the course
- * I want to better understand the principles of science so that I can be a better global citizen.
- * What I would like to accomplish is that to learn more about how life works.
- * Taking science courses that meet career objectives.
- * I am taking this course to satisfy a general education requirement, however I am learning a lot about the subject of ecology and how I can help the environment. The class is very informative.
- * to prepare me for graduate level courses

Text and Paragraph Responses by Question

Science Student 2007

Question: In your own words, please tell us what you most want to learn or accomplish from taking Science courses at Coastline?

- * all aspects of biology
- * Skills that I can apply to other aspects of my life.
- * A little more about science in general.
- * I want to be able to understand and learn more of Biology than what I've learned before. I had a difficult time in High School while taking the Biology class, however this class has helped me understand a lot better.
- * I want to learn about something that will stay with me throughout the rest of my life. I also want to understand correlations between humans and other species. However, I do not like shifting from human to frog and butterfly every other page.
- * I want to acquire a general knowledge of Biology and Geology
- * Completing my requirements for an AA degree.
- * I want to learn the basics of biology to the extent that I would learn them in a classroom-based course, with the convenience of doing it at my own pace.
- * I only need this one class to complete my BA degree at another school. It's a prereq that I had dropped and forgot about.
- * A broad base of biology knowledge.
- * I would hope to get a C or better in this class.
- * biology terms

Text and Paragraph Responses by Question

Science Student 2007

Question: Please tell us what your most positive experience has been in any of the Coastline Science classes you have taken.

- * Very convenient!
- * I really enjoyed that this was an all online class. I ended up taking it while I was on vacation in Hawaii. Being a geology class, there was a lot to look out for and have some hands on learning while taking the course and being on vacation at the same time.
- * The instructor interaction was terrific. I feel I can get my answers back quickly to questions and know the instructor is always available at any time. I do not have to rely on a set schedule for my questions.
- * You have everything you need at hand to be successful in the class advance.
- * I enjoyed the text book. Well written and logically sequenced.
- * selfpace ease.
- * The program is really user friendly.
- * The quizzes and exams have been at an acceptable level. I have had to study, but have never been perplexed at any of the questioning.
- * Materials
- * The Bio class interesting
- * The instructors willingness to work with my schedule and turn in my assignments a couple of days late. Also, all my questions have been answered in a very timely manner.
- * I have taken two science classes at coastline so far. Based on my experiances I have been very happy with the outcome of them. I took biology 100 and the lab and I took Geology 100, they both were really good classes and I learned and really enjoyed the classes. The instructors were very good as well and were very easy to communicate with and easy to reach if I had any questions or needed help. I was very pleased with both courses.
- * Science programs at Coastline seem to flow smoothly. You know what's expected of you right from the beginning.
- * This class was well structured and the material was well presented
- * Expansion of my knowledge in science.
- * the ability to complete science labs at home
- * I was a little concerned that online classes might not have any structure. This was not the case. The classes are formatted well and that is certainly positive as an overall experience.
- * it wasn't that difficult
- * Hands on projects in lab classes.
- * Very good communication. It was my first online class and it was easy to follow the website.

Text and Paragraph Responses by Question

Science Student 2007

Question: Please tell us what your most positive experience has been in any of the Coastline Science classes you have taken.

- * The flexibility of instructors and of the military department in dealing with active duty Soldiers.
- * Instructors answering questions thoroughly.
- * It was great to work at my own speed and to eliminate the driving time and the time it takes to find a parking space.
- * My most positive experience was quick responses from the teacher to my questions for the class.
- * Coastline seems to have instructors that like there profession and are excited to teach, which in turn me excited.
- * Enjoyed the Q4R assignments given by my instructor.
- * Easy to follow instructions and clear outline of assignements and tests
- * n/a
- * Really starting to understand the material
- * The convenience of the online course enables me to do all the assignments whenever I want. It also allows me to be at home versus going to an actual classroom.
- * Actually learned something that I was not aware of before.
- * Very helpful, and felt I understood alot
- * The convenience.
- * been on deployment and falling behind on my classes i had the help of the instructors and the staff to get me back on track and was able to finish with a passing grade,thanks a lot.
- * Simplistic use of the online system.
- * N/A
- * Use of the lab time
- * Geology 100- I enjoyed learning about how the Hawaiian Islands were formed since this happens to be a place I frequent often.
- * It is very convenient as far as time wise goes.
- * Online.
- * Great Geology instructor.
Also, excellant reading material.
I was impressed with the online course.

Text and Paragraph Responses by Question

Science Student 2007

Question: Please tell us what your most positive experience has been in any of the Coastline Science classes you have taken.

- * Convenience
- * I really enjoyed my teacher Ms. Secord. I don't think I enjoyed a distance-learning teacher as much as her. I knew that she cared that I was being educated, and understanding the material. Other teachers at Coastline could care less, and often don't elaborate, even when asked-especially true of History ([redacted]) and Philosophy([redacted]) teachers.
- * I really liked the idea that you could pretty much learn at your own pace and still have the direction of the instructor when needed. I loved the supplemental video and online text book resources that were available as well.
- * Convenience, I learned a lot more than I expected
- * My ability to comprehend the material as well as I did.
- * The teacher! She has great spirit and personality. She's very helpful and wanted each person to do good in the class.
- * Professor Gutierrez has been one of the best professors I have ever had, including my time at a 4 year university
- * I really enjoyed the online videos and the external links. They really added another dimension to my class that regular class just doesn't for me.
- * Mrs. Secord really knows how to keep students interested in the study of science by keeping us informed of things that are happening in today's earth.
- * Online you can set your own pace.
- * Ms. Secord was the only teacher who responded promptly to e-mails, as compared to [two names redacted].
- * I think it's a more convenient and quicker way to communicate with your instructor. Not only that, one gets to finish the assignments according to one's pace instead of waiting for the teacher's own timings.
- * Passing my chemistry class
- * It has been every positive. At first was kind of worried but I stuck through it. And I'm every happy.
- * The Lab was very hands on and informative.
- * Professor Alexander in the chem department is one of the funniest, coolest, most helpful professor. I learned so much just from attending labs.
- * Achieved a better understanding of the earth, how it was formed the volcanoes, earthquakes and plates of the continents.
- * Simply being exposed to the various science fields with the ability to access a professor in the field.
- * Learning about the seafloor
- * Teachers are helpful

Text and Paragraph Responses by Question

Science Student 2007

Question: Please tell us what your most positive experience has been in any of the Coastline Science classes you have taken.

- * learning about the rocks.
- * no comment
- * I learned things about the earth that I was not aware of
- * Since it wasn't rushed, I was able to take my time to understand things or ask questions. And it didn't have to be done right there and then.
- * This was not an easy class but the instruction level was high along with the a good subject curriculum.
- * no
- * I learned about the formations of rocks and the causes of the natural disaster.
- * Great video lessons
- * The course motivated me to take another science course.
- * Sometimes professors babble and students take up needless time from the class. Online classes cut that all out and are more concise and to the point.
- * Excellent course. I have found the instruction to be outstanding and helpful
- * Something positive....I dont think I have anything to say.
- * The review sessions were very informative and helpful in preparing me for the mid-term and final.
- * The book was good but the lab kit was confusing because it was used for 2 different classes
- * The flexibility of the instructors has been wonderful. They understand that sometimes my committments conflict, and provide solutions.
- * This was my first time to take Astronomy so I really learned a lot! The teacher's timeliness responses were GREAT too.
- * Due to my busy personal and professional lives, the online Geology course made it VERY convenient to complete my Science requirement online.
- * I took American History and Psychology through Coastline prior to taking the Geology class. Every class I took was stimulating and opened my eyes to the world at large, enriched me as a person.
- * The assistance that I received in correcting my mid-term essay was exceptional.
- * The overall organization of the science classes works best with my full time work schedule; this is what I enjoyed best of all.
- * I liked the hands on lab with the rocks. That would have probably been easier in a classroom setting with more examples of what to look for.

Text and Paragraph Responses by Question

Science Student 2007

Question: Please tell us what your most positive experience has been in any of the Coastline Science classes you have taken.

- * Instructor have additional online presentation to help me learn the course.
- * I love how simple the class is setup.
- * just the amount I'm learning
- * This is my only science class that I have taken at Coastline, so there is nothing to compare it to but, the online experience is great, but there are times when you would like to see the teacher face-to face.
- * My only and the most recent experience in Science classes in Coastline is the Biology class, and my professor is Professor Warwick. I am very happy and satisfied with my class. It is better than I expected!
- * Easy to do online
- * The help that the instructors and other students give in the discussion forums.
- * I am taking Biology 100 and Biology 101, and I am very satisfied.
- * I felt great!!!n i looked forward to each assignment and tried to do my very best.
- * The convenience and quality of the lessons that are given.
- * I really like the immediate grade feedback when I take quizzes online. I find that it keeps me motivated and on track with the course when I can so quickly see how I'm doing with my grades. It encourages me to work harder in the course.
- * teacher is awesome, makes me want to learn
- * My Bio lab class has been very informational and fun to take.
- * Very convenient.
- * The ease of use and access to the course. The ability to work at my own pace and learn as much as possible.
- * The ability to work at my own pace, and from my home.
- * Being bale to work at my own pace and from home has been the most positive experience.
- * Taking the class at my own pace and actually having to try to find the information necessary. It requires more attention than a traditional lecture environment and it is more challenging in that way.
- * N/A
- * Convience to listen to lectures and take quizzes.
- * Easy to foolow along working full time

Text and Paragraph Responses by Question

Science Student 2007

Question: Please tell us what your most positive experience has been in any of the Coastline Science classes you have taken.

- * I thought it would be difficult to take an online course in a subject in which I am very poorly educated in(science), but I have learned so much already through the way it is set up.
- * Ease of following along with instructor
- * I really enjoyed Geology and learning about rocks and the earth. The field trips took me places I have not visited since I was in grade school.
- * The classes so far have been excellent...I've taken intro to chemistry, and intro to biology
- * I love the online setting. It is perfect for me since I work full time.
- * Flexibility offered.
- * I haven't taken any Science classes of the Coastline
- * I am currently enrolled in my first on-line class, however i love the course.
- * Preparing for my midterm was a great experience.
- * my most positive experience is taking bio100 because i was able to obtain much more information than expected in the field of science.
- * I really like to availability of online classes.
- * I enjoy the online classes.
- * The interaction with classmates.
- * Classmates.
- * The ability to take a course on line, work at your own pace and have access to the professor when needed has been extremely positive.
- * Passing
- * I really appreciate the way the Biology course I've been taking has been presented. It is very student friendly and allows the student to work full time while attending.
- * while taking a geology class we had to go on several field trips. this offered me the opportunity to go to different museums that i would not normally go to on my own
- * The convince of not having to go to class.
- * The great lay-out of study materials, lecture notes, and the course outline.
- * Most of the students in this class are very nice and helpful when it comes to helping out those who are confused in the class forum.

Text and Paragraph Responses by Question

Science Student 2007

Question: Please tell us what your most positive experience has been in any of the Coastline Science classes you have taken.

- * instructor Warwick is a great professor, is very helpful
- * i can work around my schedule to do my labs and h.w. Instructor Warwick is great always able to answer my questions
- * being able to communicate with other students.
- * The teachers are extremely helpful.
- * All my experiences have been positive except for my things being lost that I have sent through that mail, but I understand they are under construction. They were very nice about letting me send it in again and giving me the points.
- * The availability of the professor.
- * My most positive experience has been the convenience of doing it at home.
- * The lab class has been very interesting.
- * I have been able to go at my own pace for the class.
- * The lecture notes are easy to understand and I enjoy the pace of the work.
- * The labs have been fun.
- * The most positive expericne would have to the watching the lessons because I'm able to get a visual of what is talked about in the book.
- * I really liked the geology lab class, the instructor was very involved and made the calss a pleasure to take
- * open book tests
- * My most positive experience has been taking the class. At first I thought that Biology would be boring to me but I have to admit I am really enjoying taking the class and I have truly learned a lot. I hope that this doesn't sound crazy but I have a greater respect for life and how we as a world were created. I didn't realized until taking this class that,how life was created could really be so interesting.Thank you for the education.
- * I like the online courses due to convenience.
- * The most positive experience is being able to take the courses online. I like being able to all the things I would normally do in a regular class in home.
- * the knowledge I have gained from the class.
- * This is my first one. I guess that the students post comments.
- * This is my only class.

Text and Paragraph Responses by Question

Science Student 2007

Question: Please tell us what your most positive experience has been in any of the Coastline Science classes you have taken.

- * Positive experience was that i was able to handle working and doing this science class.
- * non appliable. I have just taken science class for a short time.
- * I like the fact I can take the class at home and not have to go to a school even to do a lab.
- * Getting done to the point of only having to take the test.
- * I enjoy communicating with the other students. The students represent a very diverse group.
- * Instrctors and staff of coastline are very understanding to all active members taking online course if they can not meet the certain dealine due to duty's call.
- * All the material I need for quizzes/tests are available for me anytime online.
- * I have excelled
- * Easy access to professor
- * Easy access, clear content, and time flexibility.
- * The ability to take the course on line, allows me to not only have my job but also be able to spend time with my family.
- * I truely enjoyed working with the labs and the overall learning about everything around us.
- * Since this is my first time taking online class at Coastline and I don't have any experience. But I really like the class and I'm doing good so far.
- * I like that we are sent our quiz results through email.
- * Good communication with professor
- * Being able to take the course online.
- * I would have to say just the over all opportunity to take the class on line from home and be able to take it at my own pace with a family and working 40+ hours. The teachers are pretty understanding and usually offer some kind of extra credit in case you fall behind in your grade.
- * Being able to move at my pace in my time. It works great for me & my time management. Saving money in gas.
- * While taking Astronomy, I did not really realize that the cyllabus requires an unusual 80% and above for an A. Thinking that I need to get more than 90%, I was trying to get some extra credit and made a trip to the planetarium. I loved it so much that I will definitely be back once something new comes out.
- * The instructor really understands the needs of the students, he has effectively anticipated problems or questions of students by designing an comprehensive learning manual.

Text and Paragraph Responses by Question

Science Student 2007

Question: Please tell us what your most positive experience has been in any of the Coastline Science classes you have taken.

- * Coastline gave me the opportunity to be able to continue my education at my own pace and time. The online science classes are very straight forward and the instructions are very clear.
- * I enjoy the course, because it allows students who work full time to work at their own pace. Having the quizzes set up like they are help with learning the material and keeping it fresh to mind.
- * seeing real bones and eventually dissecting
- * I have learned so much about chemistry and biology at the Coastline community college.
Thank you for giving me this opportunity
- * The Lab
- * It is convenient for everyone.
- * Being able to work ahead of schedule so that if something comes up I don't miss the assignment. I can't commit to rigid time constraints.
- * the labs are a lot of fun and very well explained
- * Coastline have Online Science class that very helpful
- * that is the first science class in Coastline, so i haven't have positive experience
- * The Anatomy class was the only one that I was able to get into out of the Anatomy classes at OCC, IVC, and GWC.
- * My most positive experience that I had in Coastline College is the friendly of the instructor. When I don't understand the material,I feel really comfortable when I ask my instructor and she explains everything for me.
- * Since I work full time and have other activities on the side, Coastline gives me the opportunity to be flexible. I love the Biology class because it was easy to understand, yet challenging. Porfessor Warwick had a unique way of teaching that was very beneficial.
- * The most positive experience has been taking the quizzes and midterm in the comfort of my own home.
- * Not having weekly assignments that are not given until the week they are do.
- * Being able to apply what I learned in the textbook to the lab material
- * The professors are nice.
- * My most positive experience in any of the Coastline Science classes I have taken was the Midterm Review session. It really help me to understand what is expected on the Midterm.
- * That all of the instructors are far and know the material well, also that they are teaching in ways that are easier to understand the material.
- * This is the 1st science class that I am taking in Coastline, overall this is a fun and interesting class

Text and Paragraph Responses by Question

Science Student 2007

Question: Please tell us what your most positive experience has been in any of the Coastline Science classes you have taken.

- * I am enjoying being able to work on my own in my independent study lab class.
- * How well teachers respond to the emails.
- * This class has awakened me to the complexity of the human body.
- * This is my first class, but so far im enjoy it. The class is a little too accelerated considering this isn't my only clas, and I do work ful time.
- * Great instruction and guideance
- * I have only taken one coastline science course, this class is very informative.
- * I have only taken one science class, this has been a great experience.
- * ni,I don't have any experience class in coast line school
- * Had very favorable interaction with Marilyn in Registration and the dean of the school when enrolling and petitioning to enroll in a course that was full. Thoroughly enjoy all my instructors. Have really enjoyed getting to know a variety of other students who differ greatly in age, education and cultural background from me.
- * n/a
- * None yet.
- * I love to do the Lab's at home because i am not rushed to do them in a class.
- * The online science class I am taking is realy convienent for a full time worker
- * I like how the lectures and labs are combined. In lectures you get to learn about concepts, but in lab you actually get to apply what you've learned. Lab is very interesting and fun, but can be quite challenging since I am taking a Human Anatomy course (lots to know!).
- * I have met some very smart instructors, and have learned a lot of relevant information about my courses and field of study.
- * The Staff at Coast Line Distance lerning have been very helpful. Also the Distance Lerning Technical Support have been very helpful.
- * This is the first time I'm taking a course at Coastline and I love it.
- * Great interest and communication in coastline courses!!!
- * I have enjoyed learning about the environment and being able to apply what I have learned to every day life.
- * So far this has been my only coastline science class and i like how you have to turn in your homework at school and not online.

Text and Paragraph Responses by Question

Science Student 2007

Question: Please tell us what your most positive experience has been in any of the Coastline Science classes you have taken.

- * The flexibility and convenience of online courses.
- * This class has helped me become more aware of the impact I have on the environment.
- * my microbiology teacher was very thorough and easy to understand
- * very well taught and easy to understand.
- * The flexibility of times when I need to complete the course work. My work schedule is varied and being able to work at nights on the computer is the best.
- * When the professor told me the mid-term can be scheduled whenever I need to take it and there is not late penalty.
- * I am very pleased with the exams, as long as the instructor is aware that I am familiar with the material he gives us enough credit. I am very please that I do not have to answer the exam questions with very long answers which confuses me even more.
- * In both my Biology and Geology classes I found it very useful to use the quiz questions as a reference for studying the book.
- * Working independently; figuring out solutions on my own.
- * Just taking the Science classes have been a pleasure. I am mature enough to truly appreciate the knowledge that I am receiving.
- * I love the flexibility! If I have a rough week in other classes or work, I have the chance to catch up without negatively impacting my grade.
- * The online experience is very reliable. That pleasantly surprises me.
- * Flexibility- I like to be able to regulate my own lesson times and learning speeds. I like that the professor gives all his lessons and quizzes and simply gives a timeframe to complete them.
- * This has been the most organized online class I have taken so far.
- * took the course online

Text and Paragraph Responses by Question

Science Student 2007

Question: Are there other Science courses or degree programs that you would like Coastline to offer?

- * Yes, Psychology class.
- * N/A
- * unknown
- * None at this time.
- * Not that I am aware of.
- * N/A
- * no
- * Law enforcement
- * No, not right now I think offer a good variety of science courses for right now.
- * Not sure.
- * n/a
- * California Geology is a new course that Coastline is offering that sounds fun. I think most of the bases are covered beyond that.
- * No
- * not interested
- * Ecology online.
- * No.
- * Nothing in particular.
- * None that I can think of.
- * NO
- * No not at this time.
- * No
- * N/A

Text and Paragraph Responses by Question

Science Student 2007

Question: Are there other Science courses or degree programs that you would like Coastline to offer?

- * Environmental Science. I took it at University of Lavern and I loved the class but it is expensive and not everyone can afford to pay that much for a general education on-lin class.
- * n/a
- * Yes...Physics, Organic Chemistry, and Biology (online)
- * No.
- * No
- * maybe an AS program
- * Don't know.
- * more classes that can be applied to a nursing degree.
- * Not at this time, but maybe in the future to fulfill elective units.
- * N/A
- * No
- * n/a
- * Paleontology 100, Topology 100, Abnormal Psychology 100
- * No
- * No, I think all the basics are covered.
- * Perhaps but I have not explored this area yet. I would take all sciences offered online.
- * N/A
- * Not at this time.
- * BIO, however I took this class with instructor due to feeling it was a better option as I thought I would be better off having an instructor in the class if I needed more information rather than email or discussion boards trying to work through a rough spot. Sometimes it can feel like you are on an island by yourself with some online courses, but I can't say I've gotten that feeling (yet) with a CCC course. One more to go for my AA and BS degree, so I'll keep you informed about my last class. (MATH)
- * more times for the classes

Text and Paragraph Responses by Question

Science Student 2007

Question: Are there other Science courses or degree programs that you would like Coastline to offer?

- * Geology lab
- * I really do not know what, cultural archiology.
- * More variety of online courses
- * natural science
- * no
- * Yes
- * Organic chem spring 2008 please??
- * testing of pertroleum and water products
- * I would like to see more environmental related courses.
- * N/A
- * microbiology, higher division, organic chem, bio chem
- * I alreadt took marine Science and this is my last class.
- * no comment
- * no
- * Yes, I'm actully currently taking Biology 100 and 101.
- * No
- * no
- * Do not know yet!
- * Not at this time.
- * I'm interested in a variety of Anthropology studies.
- * I am satisfied.
- * Anatomy/physiology
Microbiology

Text and Paragraph Responses by Question

Science Student 2007

Question: Are there other Science courses or degree programs that you would like Coastline to offer?

- * No
- * No.
- * No.
- * not concerned with science
- * more biology type courses, like cell biology, etc.
- * not to my knowledge, no
- * No. The other required science courses currently offered are sufficient.
- * From what I have seen, you offer a comprehensive set of courses. I am finished with my general ed coursework and only have 2 trimesters at Pepperdine before I graduate from their Bachelors of Science in Management (BSM) degree.
- * fire-science!!!!
- * I have enrolled in the spring Astronomy course.
- * Not at this time
- * I like to learn about animals.
- * not sure at this point
- * I think that Coastline has a majority of the classes that are needed. So no, I don't think that there is any other programs that need to be offered.
- * I am not sure yet.
- * no
- * I am currently taking Geology as well, and I believe that is all I need, so no.
- * Not for now.
- * I think your college is well equipped with alot of courses. No suggestions needed at this time.
- * Nothing to my knowledge.
- * no

Text and Paragraph Responses by Question

Science Student 2007

Question: Are there other Science courses or degree programs that you would like Coastline to offer?

- * not at the moment
- * online Chemistry
- * No.
- * I would like to take a higher level biology course after completion of Intro to biology.
- * no
- * no
- * Not that I'm aware of.
- * N/A
- * no
- * No
- * No
- * No
- * No
- * No
- * Yes...an online general biology, online physics, and online organic chemistry
- * not right now.
- * no
- * No
- * No
- * no
- * i would like coastline to offer organic chemistry
- * No.
- * No.

Text and Paragraph Responses by Question

Science Student 2007

Question: Are there other Science courses or degree programs that you would like Coastline to offer?

- * No.
- * No.
- * NO
- * No
- * The selection is very good.
- * no i fell that they offer a good varity of class
- * No
- * Not that I'm aware of at the moment.
- * Biology is really all that I need.
- * not a the moment
- * not at the moment
- * I am finished with my science classes but, would reccommend this program.
- * Maybe more hybrid courses.
- * No they have offered all the classes that I have needed. I have been very grateful for that.
- * No.
- * chemistry 100
- * None.
- * Not at this moment.
- * N/A
- * None
- * Personally no.
- * no not at this time

Text and Paragraph Responses by Question

Science Student 2007

Question: Are there other Science courses or degree programs that you would like Coastline to offer?

- * don't know yet
- * I would like to continue with taking some more Biology classes if available and a BA program.
- * Anatomy and Physiology to fulfill nursing program requirements at other colleges.
- * No all the courses I need to take are already offered at Coastline.
- * No
- * NO.
- * Probably a chemistry class
- * I am interested in pharmacy field.
- * no
- * I only was looking to CCC to fill the requirements. I never looked into things any deeper.
- * Can't think of any at the moment.
- * Coastline carried everything so far.
- * N/A
- * no
- * Alcohol and drug treatment specialist certificate and other certificate programs that could add to your degree
- * NA
- * NA
- * I'd like to come back either in summer or fall semester to continue taking the science class such as anatomy, and physiology.
- * na
- * No
- * Criminal Justice classes
- * May be some kind of oceanography

Text and Paragraph Responses by Question

Science Student 2007

Question: Are there other Science courses or degree programs that you would like Coastline to offer?

- * I don't need to take any more science classes.
- * I do not really know.
- * No.
- * No
- * Not that I can think of.
- * Biomechanics KIN 301
- * I would like to see Coastline Community College offer general biology laboratory and general chemistry laboratory online.
- * No
- * No. The variety aren't as many as the other colleges.
- * I don't know.
- * nope
- * None
- * Pharmacy Technician
Nursing
- * Organic Chemistry series.
- * I would like to take the Microbiology on summer 2008.
- * As fas as I see, Coastline provides ample serivces and programs to fulfill many needs.
- * Not sure at the moment.
- * unknown
- * Organic Chemistry without the lab
- * There is no other Science courses or degree programs that I would like Coastline to offer because Coastline basically offers every classes I need.
- * no

Text and Paragraph Responses by Question

Science Student 2007

Question: Are there other Science courses or degree programs that you would like Coastline to offer?

- * Pharmacy technician program
- * I don't need any others so I do not have input for this question.
- * No
- * Not that I can think of at this time.
- * N/A
- * Not sure at this time
- * No
- * No
- * yes, chemistry
- * No.
- * no
- * No.
- * N/A
- * I'm not sure.
- * They have all the courses I need.
- * Don't know.
- * Engineering courses.
- * Not sure
- * It would be great if Coastline could offer biology classes for science majors and more science classes with labs that are offered on campus.
- * no...
- * Please offer more advance biology courses.
- * biochemistry

Text and Paragraph Responses by Question

Science Student 2007

Question: Are there other Science courses or degree programs that you would like Coastline to offer?

- * yes bio lab
- * No.
- * No.
- * None
- * Environmental Science
- * Not at this time. I am near completion of my B.A. program.
- * No, the school already offers Chemistry
- * I think the "basic" science courses are the best to be offered online. More advanced courses would inevitably require more hands-on experience and in-class instruction and participation.
- * Not really!
- * No
- * No, I can't think of any at this time.
- * certificate programs so that i can show that to an employer

Text and Paragraph Responses by Question

Science Student 2007

Question: Do you have any comments or suggestions for improving the Science Program at Coastline?

- * -
- * It is great the way it is.
- * The testing technique needs to be improved. I have taken several essay exams and have had to resubmit several times and or retype my essays before submitting.
- * I was very glad that Coastline allows so many students into their online classes. Please keep doing that as much as possible.
- * Keep up the good work..
- * Some of the questions were from a different text, but Ms Secord resolved that issue
- * I love the way it is.
- * Keep up the good work.
- * No
- * no
- * I think everything is good with science program.
- * None. So far, I've experienced nothing but positives with Coastline's Science programs.
- * No, this program has met my expectations and do not feel there is anything to improve.
- * Keep up the good work.
- * Lower the costs of independent study lab kits,
- * so far so good!
- * I wish I could think of some but I can't.
- * increase your budget!
- * No.
- * No.
- * I would venture to guess that the Astronomy class is a bit too much for your average student. I don't consider myself average and I was only able to pass the course by a minimal amount.

Text and Paragraph Responses by Question

Science Student 2007

Question: Do you have any comments or suggestions for improving the Science Program at Coastline?

- * Yes, give Dr. Debbie Secord a raise - she's awesome! She was very quick to answer questions and explained the material to where anyone could understand it.
- * no
- * No, it's great. Thank you
- * none at this time
- * N/A
- * It would be nice if they implemented some Power point presentations along with the reading materials
- * n/a
- * Keep Saturday Labs OPEN!!
- * None.
- * No
- * none, it is all good.
- * This was my first class and I was very happy with everything. The course was informative and I learned quite alot.
- * I'm very satisfied with the way they are set up.
- * Not at this time.
- * None
- * chat rooms in addition to public bulletin boards
- * Yes, keep up the good work!
I truly enjoyed the online class and learned alot.
- * no
- * No, Science is one area where Coastline got it right.
- * At this time I am quite satisfied with my experiences. As time goes on I will submit my feedback in order to help improve the program.
- * thank you!

Text and Paragraph Responses by Question

Science Student 2007

Question: Do you have any comments or suggestions for improving the Science Program at Coastline?

- * Not at this time.
- * Some feed back on papers and test you take with the class in some way that doesn't have CCC or instructor compromise the graded test or work; possibly after the deadline for all to have taken the exam. Yes, the grade is feed back, but more with where you may have been off or right on with you paper(s). The quizzes do have this feature, you are emailed your grade and feedback with what was missed and correct shortly after taking a quiz. This is great to use for final exam, and feedback, other than grades, from essays and written papers turned in with classes requiring them. This may be asking too much or putting too much on the instructors but feedback does help student understanding of what direction, if any, needs to be changed from work being turned in to instructors. I hope my feedback is given consideration, as it did take a while to offer my candid and honest thoughts and feelings for each question asked.
- * newer equipment and better facilities
- * Please continue to have more online options!
- * I think Mrs. Seccord is great.
- * Lab should be offered at the same time corresponding with the online course
- * no
- * I would love to hear that they have tutoring at this location where they offer the classes.
- * Articulate more courses with the UC system
- * just to ensure that conductivity is maintained while taking the final exam. My screen kicked me out at question 3 than came back about 10 minutes later. I was worried at first but was able to finish the test with plenty of time.
- * Test taking seems to be a challenge sometimes. An easier or less challenging test taking procedure would make the experience less stressful.
- * Keep up the good work
- * none
- * no comment
- * no
- * No, so far everything offered at Coastline has worked well for me.
- * no
- * Not at this time!
- * None

Text and Paragraph Responses by Question

Science Student 2007

Question: Do you have any comments or suggestions for improving the Science Program at Coastline?

- * None.
- * nO
- * No
- * I suggest a better lab kit for students.
- * I thought the professor did an excellent job.
- * nope
- * fire professor [redacted]
- * see previous comment about lab kits
- * no
- * No. Great Course
- * No.
- * offer more science classes on-line
- * none
- * N/A
- * no
- * No. I think the Biology class I am taking doesn't need any improvements.
- * no
- * The Science program at Coastline doesn't need any improvements.
- * It was an enjoyable experience. I will be taking statistics next through your college. I have ewnjoyed the distand learning program.
- * Everything has worked out great.
- * Offering tutoring would be helpful, and also study guides, to help highlight areas that should be focused more on. It is overwhelming that I need to memorize 12 chapters for an exam, it would help to have a study guide to aid in the memorization process.

Text and Paragraph Responses by Question

Science Student 2007

Question: Do you have any comments or suggestions for improving the Science Program at Coastline?

- * No. Keep up the good work!
- * I currently have no recommendations for improvement the course has meet my academic requirements while allowing me to work full time.
- * no everything is very good
- * No everything is great
- * Not at the moment. Greatly enjoying the class and program
- * Study Groups.
- * no
- * No
- * no
- * No
- * No I am enjoying what you offer now.
- * Make a designated TA, or the professor, easier to reach via email.
- * I think that the lab grades should be posted quicker because I just found out half way through the course what I was getting. Some people might be failing and not even know it.
- * I think your method teaching very good
- * No the program is great!!
- * no
- * coastline should offer more science classes because there are certain classes i would like to enroll in coastline but unfortunately was not offered.
- * No.
- * No.
- * No.
- * No.

Text and Paragraph Responses by Question

Science Student 2007

Question: Do you have any comments or suggestions for improving the Science Program at Coastline?

- * No
- * Better communication and quicker responses to students questions.
- * I'm quite happy with the way it is.
- * no i think that the program is very well rounded
- * Fix the seaport system when students have charter cable internet provider.
- * No, I think it's great so far!
- * No, as far as this class goes I am very satisfied!
- * none
- * none
- * No it has met my every need.
- * To not make us buy books unless we absolutely need them.
- * None
- * Not at this moment.
- * N/A
- * None
- * I think the Science Program runs pretty smooth providing students with all the information needed.
- * no not at this time
- * Often times college anatomy and physiology courses fill up at other community colleges. It'd be nice to see coastline offer these courses online.
- * No Coastline already has everything I need.
- * No
- * Nope.
- * None great job

Text and Paragraph Responses by Question

Science Student 2007

Question: Do you have any comments or suggestions for improving the Science Program at Coastline?

- * I like working as a chemical or pharmacy technician in a hospital or in a clinic. I wish Coastline Community College will have classes especially in this field.
- * no
- * When taking online test, we should be able to "save" along the way. Then when the screen goes white, the DL center can reset the orig test & we can continue where we left off. Lab kits should mention what materials will not be used.
- * No. Just keep doing the fine work that you do!
- * Instructors need to email pointers for midterm and final.
- * I was confused at first b/c I thought that my Biology and Biology Lab classes were connected but was wrong. Fortunately my professor allowed me to makeup quizzes for my Biology Lab class which I thought had been taken care of through my Biology class.
- * no
- * Making the labs easier to understand very time consuming
- * Possibly have satelite locations i the Inland Empire.
- * POSSibly have a satelite location for test taking in the Inland Empire.
- * No suggestions made at this time.
- * na
- * No
- * no
- * maybe the oppotunity of a one time optionial meeting at the begining of the class to go over every thing.
- * Have all the quizzes loaded on day 1. I am not the only student who was wanting them there ready to go. Yes we had them in our handbook but it would have been nice to submit & move on. Especially when, like me, taking three classes.
- * Once again, I wish that instructors were more clear in their expectations. I think that it is unfair to give us questions based on their lectures if we do not, in fact, have an access to them. I refer to my astronomy class. My biology class, on the other hand, is very good in this matter.
- * Help students more with Seaport problems after hours.
- * no
- * NO, with the courses I have taken, I find them great.

Text and Paragraph Responses by Question

Science Student 2007

Question: Do you have any comments or suggestions for improving the Science Program at Coastline?

- * no
- * N/A
- * More dissection in lab.
- * No
- * nope
- * None
- * No, I think it is good
- * Make the Anatomy class harder.
- * I think Coastline college should open more Science classes and open more lab. Therefore, I believe that lots of student will come to Coastline college for their education.
- * The class that I took was perfect, everything I needed was provided to me.
- * More time on the midterm because I realized I wasted a lot of time because my internet was slow the day I took the midterm.
- * no
- * I don't have any comments or suggestions for improving the Science Program at Coastline.
- * no
- * No comments
- * No
- * None
- * Since I am taking both Biology 100 and a Lab, it would have been nice to have the assignments the same in both classes. Less confusing for an "ole timer " like me.
- * Some of the questions on the quizzes and workbooks are very ambiguous, and they should be re-worded so that its easy to understand.
- * None come to mind
- * No

Text and Paragraph Responses by Question

Science Student 2007

Question: Do you have any comments or suggestions for improving the Science Program at Coastline?

- * No
- * no
- * No.
- * no
- * No
- * Teachers are very enthusiastic and really care about the subject that they are teaching. They are very helpful with helping students.
- * I think it is great!
- * No
- * No.
- * No except they have it down perfect other courses should learn from them
- * For my Ecology 100 class, it would be great if the videos could be updated. They are extremely out of date.
- * Nothing so far you guys are doing a great job!
- * Monitor the classes, the materials required and the professors. Be sure all of them meet the needs of your students. Because of my experience with this class, I do not know if I will take another class from Coastline College.
- * Great Job !
- * I really enjoy this program.
- * Thank You!
- * Improve accessibility to course website.
- * None
- * Is it required that the newest edition of books are always purchased when they are first available? I do not like having to go through the instructor revising the course because the book has been changed. Also, the companion websites by the publishing company cannot update the information before it has been purchased by the school and resold. I find it unacceptable to buy a book which has a copyright that is in the future. Why can't it wait until the next semester?
- * None

Text and Paragraph Responses by Question

Science Student 2007

Question: Do you have any comments or suggestions for improving the Science Program at Coastline?

* No

* Not at this time. Thank you for the opportunity to finally fit my GE science class in to my busy schedule!

* None-so far so good!

* Not at this time.

* have online study groups or more help, the class was very difficult, the lab which is only one unit took all my time

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Count Percent

Incarcerated Students (Science)

	Count	Percent
In which types of Coastline courses were you enrolled in Fall 2007? (Mark all that apply.)	Respondents: 50	
Humanities	14	28.00 %
Fine Arts (Art or Music)	2	4.00 %
Social Sciences (Anthropology, Economics, Health, History, Political Science)	26	52.00 %
Science (Astronomy, Biology, Chemistry, Marine Science, Physics)	50	100.00 %
Business	16	32.00 %
Other	10	20.00 %
Total Responses	118	100 %

Why did you take this course(s) at Coastline? (Mark all that apply.)	Respondents: 50	
To satisfy A.A. degree requirements	45	90.00 %
To satisfy general education requirements for transfer	26	52.00 %
To prepare for a new job	1	2.00 %
For personal interest	26	52.00 %
Other	4	8.00 %
Total Responses	102	100 %

The caliber of Coastline distance learning courses is equivalent to or better than the quality of distance learning courses that I have taken at other colleges.	Respondents: 19	
Strongly agree	4	21.05 %
Agree	7	36.84 %
Disagree	2	10.53 %
Don't know or n/a	6	31.58 %
Total Responses	19	100 %

To what extent did the content of the course meet your expectations?	Respondents: 50	
The course is even better than I expected	20	40.00 %
The course is pretty much what I expected	29	58.00 %
The course is not what I expected	1	2.00 %
Total Responses	50	100 %

Count Percent

Incarcerated Students (Science)

	Count	Percent
About how many hours a week do you typically study for each 3-unit telecourse? Respondents: 50		
2-3 hours	8	16.00 %
4-6 hours	19	38.00 %
7-9 hours	10	20.00 %
11-12 hours	6	12.00 %
More than 12 hours	7	14.00 %
Total Responses	50	100 %

Do you watch all of the required video lessons? Respondents: 50		
Almost always	18	36.00 %
Frequently	16	32.00 %
Infrequently	7	14.00 %
Almost never	9	18.00 %
Total Responses	50	100 %

Did you have the textbook for your course? Respondents: 50		
Yes, I have my own textbook	37	74.00 %
I am sharing a textbook with another student	6	12.00 %
I have borrowed a textbook	7	14.00 %
Total Responses	50	100 %

If you had your own textbook, how did you acquire it? Respondents: 41		
Purchased with my own funds	2	4.88 %
Purchased by a family member or friend	30	73.17 %
Purchased with financial aid	1	2.44 %
Received from prison education office	2	4.88 %
Other	6	14.63 %
Total Responses	41	100 %

General Satisfaction - Variety of courses in the Distance Learning Program Respondents: 49		
Very satisfied	11	22.45 %
Satisfied	27	55.10 %
Dissatisfied	10	20.41 %
Very dissatisfied	1	2.04 %
Total Responses	49	100 %

Count Percent

Incarcerated Students (Science)

	Count	Percent
General Satisfaction - Responsiveness of the COASTLINE DISTANCE LEARNING SUPPORT STAFF when I have sought assistance Respondents: 50		
Very satisfied	14	28.00 %
Satisfied	22	44.00 %
Dissatisfied	6	12.00 %
Don't know or n/a	8	16.00 %
Total Responses	50	100%

General Satisfaction - Responsiveness of the INSTRUCTOR of my current course when I have sought assistance Respondents: 50		
Very satisfied	10	20.00 %
Satisfied	15	30.00 %
Dissatisfied	5	10.00 %
Don't know or n/a	20	40.00 %
Total Responses	50	100%

General Satisfaction - Responsiveness of COASTLINE'S INCARCERATED STUDENT EDUCATION OFFICE when I have sought assistance Respondents: 50		
Very satisfied	17	34.00 %
Satisfied	22	44.00 %
Dissatisfied	2	4.00 %
Don't know or n/a	9	18.00 %
Total Responses	50	100%

General Satisfaction - Responsiveness of OTHER OFFICES AT THE COLLEGE when I have sought assistance Respondents: 50		
Very satisfied	5	10.00 %
Satisfied	22	44.00 %
Dissatisfied	2	4.00 %
Don't know or n/a	21	42.00 %
Total Responses	50	100%

General Satisfaction - Extent to which COASTLINE'S Distance Learning Program support services are meeting your needs Respondents: 50

Count Percent

Incarcerated Students (Science)

	Count	Percent
General Satisfaction - Extent to which COASTLINE'S Distance Learning Program support services are meeting your needs		
	Respondents: 50	
Very satisfied	15	30.00 %
Satisfied	23	46.00 %
Dissatisfied	2	4.00 %
Very dissatisfied	1	2.00 %
Don't know or n/a	9	18.00 %
Total Responses	50	100 %
General Satisfaction - Methods and materials (e.g., videos, assignment instructions, etc.) used to provide instruction		
	Respondents: 50	
Very satisfied	14	28.00 %
Satisfied	32	64.00 %
Dissatisfied	3	6.00 %
Very dissatisfied	1	2.00 %
Total Responses	50	100 %
General Satisfaction - Overall quality of COASTLINE's Distance Learning Program		
	Respondents: 50	
Very satisfied	22	44.00 %
Satisfied	28	56.00 %
Total Responses	50	100 %
General Satisfaction - Quality of instruction in Coastline's distance learning courses		
	Respondents: 50	
Very satisfied	18	36.00 %
Satisfied	30	60.00 %
Dissatisfied	2	4.00 %
Total Responses	50	100 %
General Satisfaction - Your own success in Coastline distance learning classes		
	Respondents: 50	
Very satisfied	24	48.00 %
Satisfied	24	48.00 %
Dissatisfied	1	2.00 %
Very dissatisfied	1	2.00 %
Total Responses	50	100 %

Count Percent

Incarcerated Students (Science)

	Count	Percent
How many letters did you write to your instructor(s) during the Fall Semester? Respondents: 50		
None	22	44.00 %
1-2 per course	24	48.00 %
3-4 per course	4	8.00 %
Total Responses	50	100 %
If you wrote to your instructor in the Fall Semester, did you receive an answer? Respondents: 29		
Always answered	14	48.28 %
Sometimes answered	5	17.24 %
Never answered	10	34.48 %
Total Responses	29	100 %
How important is it to you to be able to contact a COASTLINE counselor (by mail or by phone)? Respondents: 50		
Very important	20	40.00 %
Important	22	44.00 %
Less important	6	12.00 %
Not important	2	4.00 %
Total Responses	50	100 %
Are you able to speak with a counselor if a telephone appointment is scheduled for you? Respondents: 49		
Usually	7	14.29 %
Sometimes	1	2.04 %
Rarely	2	4.08 %
Almost never	8	16.33 %
Have never tried	31	63.27 %
Total Responses	49	100 %
Distance Learning - I am satisfied with the amount of interaction I have with the instructor in my distance learning class(es) Respondents: 49		

Count Percent

Incarcerated Students (Science)

	Count	Percent
Distance Learning - I am satisfied with the amount of interaction I have with the instructor in my distance learning class(es)		
Respondents: 49		
Strongly agree	5	10.20 %
Agree	23	46.94 %
Disagree	9	18.37 %
Strongly disagree	1	2.04 %
Don't know or n/a	11	22.45 %
Total Responses	49	100 %
Distance Learning - The course syllabus, weekly schedule, or handbook meets my needs		
Respondents: 50		
Strongly agree	17	34.00 %
Agree	32	64.00 %
Don't know or n/a	1	2.00 %
Total Responses	50	100 %
Distance Learning - Scantron quizzing resources at Coastline meet my needs		
Respondents: 48		
Strongly agree	17	35.42 %
Agree	29	60.42 %
Disagree	1	2.08 %
Don't know or n/a	1	2.08 %
Total Responses	48	100 %
Distance Learning - Quiz feedback is provided promptly		
Respondents: 50		
Strongly agree	3	6.00 %
Agree	28	56.00 %
Disagree	14	28.00 %
Strongly disagree	5	10.00 %
Total Responses	50	100 %
Distance Learning - The quiz feedback reports are useful and meet my needs		
Respondents: 50		

Count Percent

Incarcerated Students (Science)

	Count	Percent
Distance Learning - The quiz feedback reports are useful and meet my needs	Respondents: 50	
Strongly agree	16	32.00 %
Agree	30	60.00 %
Disagree	3	6.00 %
Strongly disagree	1	2.00 %
Total Responses	50	100%
Distance Learning - The mid-term progress reports are useful and meet my needs	Respondents: 50	
Strongly agree	16	32.00 %
Agree	28	56.00 %
Disagree	2	4.00 %
Strongly disagree	3	6.00 %
Don't know or n/a	1	2.00 %
Total Responses	50	100%
Distance Learning - The proctoring procedures meet my needs	Respondents: 50	
Strongly agree	20	40.00 %
Agree	27	54.00 %
Disagree	1	2.00 %
Strongly disagree	1	2.00 %
Don't know or n/a	1	2.00 %
Total Responses	50	100%
Distance Learning - The optional student guide to the textbook (purchased separately) meets my needs	Respondents: 50	
Strongly agree	9	18.00 %
Agree	33	66.00 %
Disagree	1	2.00 %
Don't know or n/a	7	14.00 %
Total Responses	50	100%
Distance Learning - The optional audio recordings of the mid-term and final reviews meet my needs	Respondents: 50	

Count Percent

Incarcerated Students (Science)

	Count	Percent
Distance Learning - The optional audio recordings of the mid-term and final reviews meet my needs		
Respondents: 50		
Strongly agree	13	26.00 %
Agree	28	56.00 %
Disagree	1	2.00 %
Don't know or n/a	8	16.00 %
Total Responses	50	100 %
Distance Learning - Mailing assignments, quizzes, or other materials meets my needs		
Respondents: 50		
Strongly agree	16	32.00 %
Agree	34	68.00 %
Total Responses	50	100 %
Distance Learning - The amount of homework assigned in my course is appropriate		
Respondents: 50		
Strongly agree	12	24.00 %
Agree	37	74.00 %
Disagree	1	2.00 %
Total Responses	50	100 %
Distance Learning - The mailings from COASTLINE's Distance Learning Office are clear and helpful		
Respondents: 50		
Strongly agree	14	28.00 %
Agree	32	64.00 %
Disagree	1	2.00 %
Strongly disagree	1	2.00 %
Don't know or n/a	2	4.00 %
Total Responses	50	100 %
Distance Learning - The content of handbooks and other written materials such as syllabi are up to date and professional		
Respondents: 50		
Strongly agree	14	28.00 %
Agree	34	68.00 %
Disagree	2	4.00 %
Total Responses	50	100 %

Count Percent

Incarcerated Students (Science)

	Count	Percent
Distance Learning - The content of COASTLINE's Incarcerated Student Education Guide is accurate and easily understandable		
Respondents: 50		
Strongly agree	18	36.00 %
Agree	30	60.00 %
Don't know or n/a	2	4.00 %
Total Responses	50	100 %

	Count	Percent
Gender		
Respondents: 50		
Male	50	100.00 %
Total Responses	50	100 %

	Count	Percent
Ethnicity		
Respondents: 50		
American Indian/Alaskan	2	4.00 %
White	21	42.00 %
Black	6	12.00 %
Hispanic	13	26.00 %
Vietnamese	1	2.00 %
Other Asian	1	2.00 %
Decline to State	1	2.00 %
Other	5	10.00 %
Total Responses	50	100 %

	Count	Percent
Primary Language		
Respondents: 50		
English	42	84.00 %
Spanish	3	6.00 %
Vietnamese	1	2.00 %
Other	4	8.00 %
Total Responses	50	100 %

	Count	Percent
What is your highest level of education?		
Respondents: 49		
Less than high school completion	7	14.29 %
High school diploma	41	83.67 %
Associate in Arts degree	1	2.04 %
Total Responses	49	100 %

Count Percent

Incarcerated Students (Science)

	Count	Percent
Which, if any, degrees or certificates would you be interested in getting through Coastline's Incarcerated Students Program?		
	Respondents: 48	
Associate in Arts Degree in Business	28	58.33 %
Associate in Arts Degree in Entrepreneurship	13	27.08 %
Associate in Arts Degree (other than Business)	25	52.08 %
General Business Certificate of Completion	28	58.33 %
Management (Certificate of Achievement)	17	35.42 %
Retail Management (Certificate of Achievement)	11	22.92 %
Small Business Ownership (Certificate of Achievement)	18	37.50 %
Total Responses	140	100%
If you plan on attending a four-year institution, where you plan to transfer?		
	Respondents: 44	
A California State University (e.g., CSULB, CSUF)	27	61.36 %
A University of California (e.g., UCI)	6	13.64 %
A private university in California	3	6.82 %
A college or university outside of California	8	18.18 %
Total Responses	44	100%
How many college units did you complete PRIOR to being incarcerated?		
	Respondents: 50	
None	39	78.00 %
1-30 units	10	20.00 %
31-60 units	1	2.00 %
Total Responses	50	100%
Are you presently enrolled at another college in addition to your Coastline classes?		
	Respondents: 49	
No, enrolled only at Coastline	43	87.76 %
Yes, enrolled at another college, too	6	12.24 %
Total Responses	49	100%

Listing of "other" Responses by Question Incarcerated Students (Science Students)

Question: In which types of Coastline courses were you enrolled in Fall 2007? (Mark all that apply.)

- * Human Services 102
- * Gerontology
- * Mathematics
- * Spanish 180
- * Spanish
- * Math
- * Intermediate Algebra
- * Spanish 185A, 185B
- * Foreign language and speech
- * Food and Nutrition

Question: Why did you take this course(s) at Coastline? (Mark all that apply.)

- * Educate my mind
- * To learn more things about this world and about life
- * to learn
- * To give my family something to be proud of me for

Question: If you had your own textbook, how did you acquire it?

- * Purchased by family member of friend or Received from prison education office
- * Traded previous completed courses
- * I traded a purchased textbook (Fall 07) with a friend.
- * Purchased with own funds; purchase by family/friend; trade it for use of others books while they use mine
- * Purchase w/own funds; purchased by family/friend; donated
- * Purchased w/own funds; rec'd from prison ed office

Question: Ethnicity

- * Filipino
- * White/Hispanic
- * Chinese
- * American Indian/Alaskan; white; Hispanic
- * Other Asian/Thai

Question: Primary Language

- * Filipino (tagalog)
- * English and Spanish
- * English/Spanish
- * Armenian

Text and Paragraph Responses by Question Incarcerated Students (Science Students)

Question: If the course was NOT what you expected, please explain how the course did not meet your expectations?

- * The Psych 115 was basically the same as intro. Not in depth enough as to theories of personality or other aspects of psychology. Too much focus on development.

Text and Paragraph Responses by Question Incarcerated Students (Science Students)

Question: If you indicated that you were "Dissatisfied" or "Very dissatisfied" with any of the items above, please describe your concerns.

- * The courses available are limited.
- * Most of the video lessons are very old and/or have very low audio. Ecology videos are completely out of date and not applicable; the Destinos videos have numerous audio and video problems; and, finally, we do not receive quiz results in a timely manner--especially, prior to the midterm.
- * I would like to have a wider variety of classes to choose from to achieve my education goals.
- * For myself, I prefer a wider and/or more indepth option of social sciences. Also, I am enrolled in Math 100. Why is this the highest math possible?
- * The courses are not accompanied by the required video lessons or any form of interactive learning for that matter. Obviously, we are already at a severe disadvantage by not having Internet access and other means for being more fully involved with courses. All we are able to do is read in our small cells.
- * The response time of grade and progress reeports could be more timely. Instructors never respond to letters. Would like to see Micro-Macro U.C. accredited economics courses offered and English composition courses to meet transfer requirements. I'm concerned about these courses meeting the level of difficulty/qualification as other regular community colleges. I wouldn't want special treatment, being I intend to continue my education when I get out. Thank you.
- * 1. We need more courses; more transferrable courses. 2. Instructors don't write back.
- * I indicated dissatisfied in the variety of courses offered in the Distance Learning Program. Mostly the inclusion of transferable Math and English courses, as well as Physics, Economics, and Art courses would be a great benifit to this program.
- * The insructors almost never respond to anything that you ask or write them. I don't like that. I know they are busy though.
- * I would like to be able to complete Groups A and C1 of Option 2 Transfer Plan for CSU. Currently, the Incarcerated Student Program does not offer English, Speech, nor Arts classes.
- * The time of response to get my grade corrected was almost a semester and took writing the Dean from who I never received any response. I've been waiting over a month now for a curent response to a math issue this semester.
- * Although I have enjoyed all the classes I have taken at Coastline, I would like more choices. There are no writing classes and I would love more ecology and related classes. I realize these are more difficult to give via correspondence, but I would like to try.
- * I had taken a Math Placement Test in Nov. 2007. I even wrote CCC in Jan. requesting a response. It's been 4 months. I still don't know the results. Also, the admission placement notice and textbooks were mailed out late this semester.
- * Sometimes you can never receive a response from the offices or receiving updates when an exam is late or an error in quizz assignments. We could use more coures: English, accounting, etc. Overall more for general ed.
- * It takes too long to get scores or responses back from assignments. Midterm reviews should be given to proctors.
- * My own inability to obtain all needed materials.

Text and Paragraph Responses by Question

Incarcerated Students (Science Students)

Question: If you indicated that you were "Dissatisfied" or "Very dissatisfied" with any of the items above, please describe your concerns.

- * The variety is not technical in advanced sciences. No engineered. No advance math. No English or computers science or human services. I don't feel challenged by any of the ones offered for a career advancement or for somethin important or interesting to me personally for my future. Quality of instruction was missing in Astronomy, Philosophy 120, and Business 110. In my opinion, they were frustrating and unfulfilling. The reviews were insufficient vs. the tests.
- * It took a very long time for me to receive my grade for the classes such as quizzes, midterm, and final grade.
- * Coastline's distance learning program does not offer the math and physics classes that I need for transfer. In order to transfer to UCSD as an electrical engineer, I need a calculus based physics course, Calculus I and II, Analytical Geometry, linear systems, and differential equations. This is why I had to enroll at Ohio University.
- * I am happy with the selection of courses, just wish there were more to choose from: such as real estate, history, higher-level math, and especially English courses (and perhaps the higher-level Spanish, as well).
- * It is not so much that I am dissatisfied with the current variety as I am more dissatisfied there isn't more variety.
- * I'm incarcerated and sometime, well most days, I work so it was hard for me to look at the videos.

Text and Paragraph Responses by Question

Incarcerated Students (Science Students)

Question: If you indicated that you "Disagree" or "Strongly disagree" with any of the statements above, please describe your concerns.

- * The student guide is clear, concise, and understandable.
- * Sometimes it takes a while to receive the results. Just the anticipation of the results.
- * There is no interaction, quiz feedback does not occur, and quiz results do not get returned soon enough for study purposes.
- * I have no interaction with my instructor in my distance learning classes. Sometimes the mid-term progress reports arrive to me late or without the mid-term recorded on them.
- * There are many instances when we are scheduled for mid-terms and finals yet have not received feedback from quizzes to study from and check where we have made mistakes.
- * Have experienced instances where I never received quiz feedback reports.
- * I'm sure it's hard to keep track or stay ahead with so many students and all, but sometimes it takes a while to receive grades on quizzes and/or mid-terms or finals.
- * This needs to be clear. I get my books, syllabus, and Scantrons, and I don't see a classroom or teacher or equipment. I read alone in a small cell with no chair or desk, and turn in quizzes and take mid terms and finals. That's the extent of it all.
- * Instructor response could be improved., Quiz, midterm, and final grades should arrive faster.
- * No interaction with my instructor. Quiz feedback is not prompt. Never used it yet and have gotten all A's and B's.
- * I disagree w/the Scantrons in the sense more questions can be asked in the quizzes. Finally the amount of homework is minimum. Incarcerated students have more time and can be expected to do additional assignments. Work/kids and other factors are not an issue for us.
- * Would like more interaction with the instructor. Need more and any feedback of quiz #5. Need better proctoring procedures. Sometimes syllabuses are not current or meet the grading.
- * On a few of the CDs I wasn't able to find some questions that would be asked in the textbook.
- * Answers on my Scantron quizzes--Marine Science, Fall 2007--were marked incorrect, though they were indeed correct. Letters to the school were answered, though, the test key I was provided was full of incorrect answers. Mid-term and final exams are routinely administered late, often without reason (such as facility lockdown).
- * Did not receive quiz feedback for a few classes such as Spanish 185A and 185B until after course was over.
- * I am at present trying to find out how an instructor (Thomas Cao) can change the stated syllabi and deny me any quiz grades, feedback or knowledge of mistakes. It teaches me to be consistent in my mistakes. (Math 100, Sect 95960).
- * It's hard to hear a response from the instructors especially when there is a problem with grading quizzes. Sometimes answers are marked wrong that are right.
- * Feedback takes way too long. Sometimes the whole semester goes by before I get feedback.
- * I've never received any mid-term progress report.

Text and Paragraph Responses by Question

Incarcerated Students (Science Students)

Question: If you indicated that you "Disagree" or "Strongly disagree" with any of the statements above, please describe your concerns.

- * There have been times I would have liked to discuss material in certain courses, but had no class or instructor to speak and share with. I feel I would of learned more if those discussions took place. Being incarcerated, I know brings more challenges. Overall, I'm thankful for the opportunity to receive higher education.
- * The speed at which I can know test results is crucial to my study plan. I carry a full load and some courses require greater effort than others. I also use the quizzes correct answers to study from. All these are reasons why I need the info yuesday and your notoriously late...sometimes I take the finals and mid-terms and get them after.
- * This semester, the quizzes have not been coming back in time to review before taking midterms. For me, the quiz feedback is very important and it would be nice to know if I made any mistakes before taking midterms or finals.
- * I didn't have any interaction with my instructors. Also, quiz feedback sometimes took up to a month. However, that is probably due to the mailroom's incompetence, not my instructors.
- * Quiz feedback and midterm and final feedback are too slow in receiving.
- * Sometimes I haven't received quizzes or mid-term grades back.

Text and Paragraph Responses by Question Incarcerated Students (Science Students)

Question: What is the most difficult issue you face as an incarcerated student trying to study and complete college classes?

- * Being able to access the required video lessons.
- * Honestly, I don't have any difficulties studying and completing classes. I will always make time to further my education.
- * Financing for textbooks.
- * Understanding or picturing some of the wording without the help of an instructor while currently reading the textbook.
- * No having access to the online lessons, feedback, and other pertinent information.
- * Trying to find enough study time due to my institutional job, which takes most of my day.
- * Access to material that would be available if I was able to go to the school library. Maybe you can offer a checkout system for distant learners.
- * We have almost no access to any counselors to refer to and guide us in the right direction to reach our goals. Also, Coastline does not attempt to provide us with any information as to what possible schools we can transfer to for a bachelor's degree despite repeated attempts at the query.
- * Actually, overall I'd give it a B+ or A-. It's only on myself whether I face difficult issues or not.
- * Conducting research for variously assigned papers.
- * Pretty much trying to get a hold of textbooks. My family can afford the student handbooks and Scantrons, but the textbooks are expensive and the ones the prison offers are helpful but most of the time very difficult to come by due to the number of inmates enrolled in your program.
- * No desk, chair, interactive learning environment. The methods used here to accomplish studying are primitive, worse so because of simple things we lack. [Represa]
- * Trying to study in a dorm environment--limited or no computer access for reporting. Not being able to get courses I want. Video time conflictinbg with work schedule.
- * Study space and privacy, and no computer or fax or access to direct phone calls.
- * For me is making sense of complex material without the professional feedback of a teacher or ability to be in a classroom setting with other students you may conversate with regarding material. In a nutshell, making sense of Biology on my own.
- * Institution lock down that lead to movements.
- * Noise and other disruptions from those not participating in classes/inability to have a more consistent interaction with the instructor/proctor.
- * The distractions from your celle. Also, the lockdowns.
- * The most difficulty issues I face as an incarcerated student trying to study and complete college courses is the lack of financial aid available, uncooperative prison officials, lack of school counseling, and dealing with a hostile, violent environment.

Text and Paragraph Responses by Question Incarcerated Students (Science Students)

Question: What is the most difficult issue you face as an incarcerated student trying to study and complete college classes?

- * Having the money to buy new books.
- * Timely mid-term/final exams.
- * Noise in dorm.
- * Viewing the videos
- * Trying to get a response from instructors or staff. I have written 6 letters and got one notice of change of grade. No response to questions, no explanations, no aid. I finally had my wife e-mail and got a response. The proctor will not give quiz keys???
- * Not having access to a computer or the Internet.
- * Due to the brevity of course schedule, there's not much time for a question to be asked and answered by the Prof. Also, I never have free time to watch the video.
- * Try to afford my own books.
- * Guidance from the Coastline counselor office.
- * Distraction, overcrowding
- * Not being able to always watch videos and no midterm and final review by proctors.
- * Obtaining course material
- * Sometimes I am not sure if my written assignments are in line with what the instructor is looking for. There's a chance I will turn in a written paper that's completely off the mark.
- * Actually learning the material and not just remembering it.
- * The most difficult by far is the books. You constantly change editions for minor corrections or updates tghat you don't incorporate into the testing procedures. And how about testing us on what's in the book like philosophies or general principles.
- * Having the staff at CTF to timely locate lost college materials.
- * Receiving quiz, midterm, and final reports back promptly.
- * The most difficult issue for me is finding books. My family can afford to buy the student handbooks, but the textbooks are out of our price range at this time.
- * No internet access.
- * Time to study is hard having to work full time.
- * Staying posirtive and focused considering my incarceration. Doing this without a classroom setting.

Text and Paragraph Responses by Question Incarcerated Students (Science Students)

Question: What is the most difficult issue you face as an incarcerated student trying to study and complete college classes?

- * A primary issue is receiving course materials in a timely manner, mainly due to the slow processing time of the correctional facility.
- * Getting books/materials on time, and getting questions answered on time.
- * Prison delivery stems of textbooks/syllabi is way too slow, 3-4 weeks past start of semester. Coastline's insistence of delivery to Education Department is cumbersome.
- * Access to college room to study, test, and information regarding college materials.
- * Getting to watch the videos assignment.
- * I cannot see the videos on my own schedule or as needed and as many times as needed. There's a set schedule for every course.

Text and Paragraph Responses by Question Incarcerated Students (Science Students)

Question: If you have ever dropped a Coastline class before completing it, please tell us why.

- * I took Astronomy during the summer semester, and I was ill and unable to follow through with the course.
- * I've dropped only one class. The only reason I dropped it is because I had it set up to use a book someone already had, but he transferred and I was stuck.
- * At the time, I was enrolled in biology and my girlfriend was fighting cervical cancer. She was paying for the books, but was unable to do so because of her medical costs.
- * Inability to have family purchase needed texts and not having enough time to study now that I'm in the GP and with a job.
- * Because it was an extremely difficult course to be able to comprehend and accomplish a good grade during a summer semester.
- * Have not
- * Yes, because my syllabuses did not come for whatever reason.
- * I dropped three classes because I was transferred to another yard and it took over three weeks before I was able to receive my property, my books.
- * I dropped classes at Coastline due to financial concerns and did not receive my textbooks in time to properly participate in my classes. Institutional delays in mail processing are still a concern.
- * I thought I'd have the money to pay for the Hist 175 book, but I could only come up w/half of it.
- * Spring 2007. Dropped 3 classes due to placement in administrative segregation. I was exonerated of all charges.
- * Have never dropped a class
- * If I can't get any feedback on my status as mistakes in Math 100, I may have to drop it not because I want to but have no instruction, no feedback, no help. I'm blind with a book as a sole source.
- * In Summer 2007, CCC Bookstore never mailed out my purchased textbooks and study guide. I waited 1 1/2 months until I was forced to withdraw before the last date for withdraws.
- * Yes, availability of time.
- * Never
- * I dropped Spanish 180 and Philosophy 115 in the Spring 2006 semester. I only dropped them because I went to the hole after a race riot. It was really beyond my control.
- * My books arrived late due to labeling mistake.
- * I had to drop my courses for the Spring 2008 term, because I was placed in administrative segregation and am waiting transfer to another facility. I intend to re-enroll in Summer/Fall.
- * Yes, there was a mix up in scheduling. I got put in a 16-week course (Astronomy) when I signed up for an 8-week course.
- * Didn't get textbooks in time.

Text and Paragraph Responses by Question Incarcerated Students (Science Students)

Question: If you have ever dropped a Coastline class before completing it, please tell us why.

- * I was very concern about failing. It's been so long since I've been in school.
 - * I dropped Biology 100 last semester because it was too difficult the first time around. I'm retaking it now.
-

Question: If you are enrolled at another college in addition to your Coastline classes, please identify the college:

- * Fresno Pacific University
- * Indiana University
- * Stratford Career Institute
- * Ohio University
- * Palo Verde
- * Palo Verde College

Text and Paragraph Responses by Question Incarcerated Students (Science Students)

Question: In your own words, please tell us what you most want to learn or hope to accomplish as a result of taking Coastline courses.

- * I would like to obtain an Associates and continue to study for a Bachelor's degree.
- * I want to first start by getting my A.A. degree, and then the General Business Certificate.
- * I want to learn about financing or business and generally be the first individual in my family to earn a college degree.
- * I hope to accomplish General Education and transfer to a 4-yr college.
- * Continuing education is important to living well. I believe that keeping the mind active and occupied with educational pursuits will be key to aging well.
- * To be the first in my family to earn a college degree and personal interest in higher education and it allowing to someday start my own business.
- * I would like a degree in General Education and a business certificate. I have understood that an Associates is not available here at the institution. [Blythe]
- * I want to learn as much as possible out of interest but I also want to be working towards an education that will help me when I am released from the prison system.
- * I wish to attain my A.A. and fulfill all of my general prerequisites for B.A.
- * A greater understanding of life in general.
- * I intend to undertake as many courses as are either interesting or useful in advancing my education.
- * I would love to get my A.A. degree, but also even if I don't, I just want to get as far as I can towards my degree, and also I'm learning a lot from these courses. It's honestly helped me learn a lot of myself, like sociology. I loved that course. I think the classes have helped me become a better person.
- * I wish to accomplish a minimum of 3.8 GPA and to be able to transfer to a 4 year college.
- * I'm hoping Coastline will be the beginning of my college experience, which I will be able to continue when I'm released from prison. Hopefully, this will open doors for me so I can improve my life.
- * I want to get my A.A. and maybe transfer to a 4 year college. I want to be able to find employment of my choice. I need to provide a secured future for myself and my family.
- * A good overall understanding in the social sciences to guide me in my adult life and to apply it in work and other aspects of living.
- * I would very much like to learn more of the human body (cells). I very much like medicine.
- * Personally, I hope to obtain an A.A. degree so that it will open other doors of opportunity when my release from prison and to allow me the chance to take full advantage of the time I am serving to benefit not only myself but my family.
- * For one, I would like to receive an Associate in Arts degree in Business. And through Coastline, I will be able to accomplish that goal. I want to put my all in each class that I take and grow from which I've learned in each one.
- * I hope to earn the necessary units for transfer to the CSU system in the hopes of obtaining a baccalaureate degree.

Text and Paragraph Responses by Question Incarcerated Students (Science Students)

Question: In your own words, please tell us what you most want to learn or hope to accomplish as a result of taking Coastline courses.

- * I want to learn all I can about Business. I hope to earn my degree, the certificate of business and take every class after that, that is offered, except French.
- * I want to earn an associate in arts degree in business, primarily. In the future, if the opportunity becomes available, I would like to continue my education in CSU.
- * Enjoy learning and wish to receive A.A. degree
- * I would like to become a consultant to developers on Native American lands so that we can protect them for future generations.
- * My goal is to better myself. At 50 years old it's my first attempt at college. I also want to receive an AA and will achieve my first goal of a Business Certificate this semester. To use the knowledge upon release.
- * I want to become business savvy and learn how to help people and generate a profit while working to help the environment. I realize that to succeed in today's world takes knowledge and understanding. I want to know and understand as much as I can.
- * Expand my knowledge in General Ed courses and transfer those credits.
- * I like to learn more about science. I like knowledge.
- * I want to go as far as I can through Coastline be it A.A. or just enough units to transfer.
- * Want to get my AA degree. It's been a dream of mine forever.
- * How to manage my business properly. Speak fluent Spanish.
- * I hope to use Coastline as the first step to a higher education. The field of computers is the goal.
- * I most want to acquire knowledge. And I hope to acquire an A.A. degree possibly more. In other areas to improve my quality of life, set example for family, and hopefully earn higher living wages in the work force.
- * I would like to educate myself and become a better person through the process. I believe exercising the discipline and effort it takes to complete a course can do that.
- * I hope to accomplish an A.A. degree and 35 additional class units to transfer to a 4 year school. What I want to learn is a new career in something useful that interests me. I'm still hoping...
- * I want to find an interest that I can become passionate about. I want to expand my education and awareness.
- * Receive an A.A.
- * Learn more about business management and marketing
- * I'm happy with learning everything. Taking these courses has opened up a whole new world to me. I hope to achieve my A.A. degree and also obtain a Business certificate.
- * I wanted to get my knowledge of Math and Science up to university levels.

Text and Paragraph Responses by Question Incarcerated Students (Science Students)

Question: In your own words, please tell us what you most want to learn or hope to accomplish as a result of taking Coastline courses.

- * I want to expand my knowledge in a wide variety of subjects.
- * More about myself and more about people around me.
- * The business certificate degree is a great opportunity to learn viable skills that can help me upon obtaining a parole. I also take other courses for personal enrichment.
- * I hope to further my education to be able to go from my A.A. to a masters. To have educated myself and learn the in's and out's of my chosen profession so if as when I get out, I'll be able to have a career.
- * Accumulate credits, graduate, and transfer
- * I hope to learn a lot about various subjects while earning my A.A. and possibly attending a four-year institution.
- * I want to learn more about Psychology and I'm going after my A.A. degree in that field.
- * I just want general knowledge on various subjects to have a better understanding of the world around me; for example, what subjects such as ecology and sociology teach us about the environment and society that we live in and affect.
- * To achieve an A.A. degree, so that I can go on to a 4 yr. university to obtain a bachelors in psychology.

Text and Paragraph Responses by Question Incarcerated Students (Science Students)

Question: What do you believe are the greatest strengths of Coastline's Incarcerated Students Education Program?

- * Providing incarcerated students the opportunity to earn a degree.
- * The greatest strength is the fact that you're giving young and older guys a chance to further their education so they'll be better prepared upon release.
- * The option and minimal financing to attend college.
- * Consistency in general.
- * The ability to negotiate the financial hurdles we have faced since 1993--when Cal and Pel grants were taken from prisoners.
- * Communication and having the patience to bare with us.
- * The variety of social science classes are probably the greatest strengths of the incarcerated students education.
- * Willingness to work with incarcerated students.
- * The availability
- * Being able to provide a higher education for those who wish to better themselves.
- * That it offers a fairly robust variety of courses, especially in comparison to other community college programs in California.
- * That you guys have so many different courses to choose from, and so far, all of them are almost always available.
- * The fact that it exists, that we are able to educate ourselves is crucial.
- * Coastline as a starting point in getting people that are willing and will put forth the effort going down a path that could open up a world of possibilities.
- * There are no greatest strengths, just obstacles, great obstacles but I guess you could say our greatest strengths is our determination to succeed in these times of distress.
- * The attention given to students so that their needs are met. i.e., student services.
- * Business, psychology, marine science
- * The chance to actually do something positive and worthwhile.
- * Giving someone the chance to receive an higher education even though we are incarcerated.
- * I believe the greatest strength of Coastline's Incarcerated Student Program is the program itself. This program provides a real opportunity for rehabilitation and a unique chance at making a change in our lives.
- * The administration's ability to make such easy-to-do Incarcerated Student Packets. The timeliness of the materials that are mailed from the bookstore. The excellent business courses.

Text and Paragraph Responses by Question Incarcerated Students (Science Students)

Question: What do you believe are the greatest strengths of Coastline's Incarcerated Students Education Program?

- * Student handbooks include quizzes which offer very good practice in preparation for mid-term and final exams. The graded material is the most important, relevant material pertaining to the subjects. Handbooks, as a whole, are extremely helpful.
- * Courses offered and the relevant information which is up to speed with society.
- * The convenience here at our institution is very conducive to completing courses in a timely manner.
- * The ability to go to college in a fairly inexpensive way, gain knowledge, and credits through a great program.
- * First, that you are enabling so many people to start their college education, people that really need it. People that have the time and not much else constructive things to do. The two and a half years I've been at this prison I've seen the college enrollment quadruple!
- * The exams are rather challenging, quizzes don't take up an excessive amount of time.
- * That we have the priviledged to have you guys helps us to grow and be ready for the free world when we get the change to be out there.
- * That the program exist.
- * Gives me an opportunity to get an degree. As we all know it's difficult for an incarcerated person to find a college.
- * Successfully helps incarcerated students.
- * Able to work with the time schedules of the incarcerated students.
- * The simplicity of courses and instructions. Also the variety of courses.
- * The intentions. The hope and gratification that comes from this program is much appreciated.
- * Board of Governors tuition grants. Distance learning program. Ability to earn a degree through the mail.
- * Having the patience to put up with the many new incarcerated students who get answers at the drop of a bucket and compromise the entire workload Coastline has by sending in letters asking about delays and such.
- * Response to questions or problems
- * Offers variety of classes
- * I believe that Coastline understands the hardships we have being incarcerated and have went out of their way to try and make the program very user friendly for its incarcerated students.
- * Availability in multiple prisons
- * Quality of courses. Variety of courses.
- * The material.

Text and Paragraph Responses by Question

Incarcerated Students (Science Students)

Question: What do you believe are the greatest strengths of Coastline's Incarcerated Students Education Program?

- * There is a great deal of flexibility and understanding on the part of program administrators as well as instructors as to the unique problems arising from our incarceration.
- * I believe the greatest strengths of CISCP is that it allows incarcerated men and women to have the opportunity to get a better education, because there's not much to do with your time except get in trouble. This program helps by giving you not just something to do but by giving you a goal.
- * Not reliant on any internet elements (no access to internet in prison)
- * Reasonable cost and availability--ease of enrollment.
- * The simple breakdown of subjects and materials, allowing to start with introduction classes.
- * Everyone has time, and Coastline will accept all.
- * That it exists! This is going to help a lot of us function better on the outside when we're released; not just with finding employment, but just giving us a better outlook and appreciation of our freedom and life in general.
- * Its course material and the helpfulness of the staff.

Text and Paragraph Responses by Question Incarcerated Students (Science Students)

Question: Please tell us what your most positive experience has been in any of the Coastline classes that you have taken or from participation in the program in general.

- * Learning general discipline with studying and staying focused and goal-oriented.
- * The most positive experience was from the Counseling 105 course. It taught me a lot about studying, different ways to study, and how to make studying easier and useful at the same time.
- * Learning new material.
- * Being able to believe in myself, learning, seeing my future in a positive way.
- * Being a part of higher or continuing education simply helps to keep the world and our face in it in focus as well as evolving--that is gratifying.
- * The comprehension and interest I've taken in every course.
- * I have gained new understanding and learned a lot from the social science class.
- * The classes have helped me look beyond these prison walls and focus on what I need to do to prepare for life after prison.
- * I enjoy the sociology classes but desire more classes in that field.
- * Being able to learn about the business ethics in general.
- * I have not had a negative experience, it's all been positive.
- * Well, you learn to get along with people you never knew from the interactions like going to take tests, and also you become more aware of life in the world, by taking some of these science classes.
- * Learning, advancing as a person towards a future of knowledge and professionalism.
- * Coastline has boosted my confidence in myself and has made me realize how fun learning can be.
- * Getting my first "A" grade. I felt very proud.
- * Completing the classes and obtaining the satisfaction/build up of self efficacy from it.
- * I was very impressed with the business and marine science program.
- * Just the overall sense of completion.
- * Just taking my first class felt wonderful to me. Everything that I've learned so far is wonderful. I feel the growth within myself. It feels good to be back in school after all these years.
- * My most positive experience in this program has been the boost to my confidence and self-esteem in being able to achieve the Dean's Honors list. Participation in the Incarcerated Student Education Program has made me realize I can reach my potential even after making the many mistakes in my life.
- * That after 10 classes I average over 97% with a 4.0 GPA. I'm very proud of that because I didn't use to put much effort into anything, but Coastline gave me a chance. Thank you!

Text and Paragraph Responses by Question Incarcerated Students (Science Students)

Question: Please tell us what your most positive experience has been in any of the Coastline classes that you have taken or from participation in the program in general.

- * Participating in this program has given me something significant and positive to focus on rather than the constant negativity of prison life. Also, I have become bilingual, adopting Spanish as a second language. This has changed me for the better, given me a priceless skill which will last forever. Thanks to all Spanish teachers at CCC.
- * Completing the three Spanish courses.
- * My GPA has been much higher than I expected and it feels really good to be as successful in my classes as I have been.
- * Political Science really surprised me. I gained probably the most knowledge from it in an applicable way. I opened my eyes in a lot of ways and I still talk about it a year later.
- * I've been in prison for ten years. The first seven I had no opportunity to take classes because there was no proctor. These last three years have made into time that I've spent doing something very constructive. You've helped make this experience a positive one. Thank you.
- * Studying an array of disciplines.
- * The most positive experience has been for me is to help myself on my education to be in college is a big step that I would never.
- * The personal knowledge I've gained especially through the business courses.
- * For me the most positive experience in Coastline classes was Biology class. It's just fascinating.
- * Receiving a 3.0 GPA.
- * Just being able to have a better education. Being able to answer questions on subjects that others don't know much about.
- * Admiration from my family. The pleasure I receive from working towards a degree and all of the knowledge I'm acquiring.
- * Personal growth. Every class I complete is an accomplishment I can be proud of.
- * I think the fact that I've maintained an "A" average. That I only missed one question twice on two separate finals. That I made an "A" in Sociology by one correct question. The most important thing I've learned is from the 10 essay midterm for Business 150, plus the other 5 essays that midterm. That....I can do anything!
- * I am very grateful for the opportunity Coastline has giving myself and the other students here at CTF. I'm halfway to receiving an A.A. degree and will be the first in my family to earn such a degree. I am fifty years old and look forward to the continued challenge. Thanks, CCC.
- * Learn many new things
- * For me, my sense of self worth has increased. I feel happy knowing that I'm, doing something positive for myself and I'm extremely happy with the knowledge that I'm gaining.
- * Learning that I am not a lost cause. Also, the ego boost I got from making the President's List 2 semesters in a row.
- * The Food and Nutrition class along with Biology in the fall was most informative, and I learned a lot of stuff I did not know before.

Text and Paragraph Responses by Question

Incarcerated Students (Science Students)

Question: Please tell us what your most positive experience has been in any of the Coastline classes that you have taken or from participation in the program in general.

- * I really enjoy sociology, philosophy. Just learning in general.
- * I enjoy the video lessons, particularly the "Destinos" telenovela. I also appreciate the feedback provided.
- * My most positive experience has been the betterment of my writing skills, vocab. and the overall knowledge I am able to gain.
- * Expanding general pool of knowledge
- * It has preoccupied my thought for the past few years, while allowing me to learn a wide field of subjects.
- * Coastline gives you a chance to better yourself.
- * I've learned things I wasn't aware of. For instance, I learned about the history of the Internet in mass communications. Because of my incarceration, I am not too familiar with that medium.
- * With psychology classes, I've been able to really get a good look at myself.

Text and Paragraph Responses by Question Incarcerated Students (Science Students)

Question: Do you have any comments or suggestions for improving Coastline's Incarcerated Students Program?

- * Please help make video lessons more accessible and a larger variety of courses.
- * No comments or suggestions. Just keep doihng what you're doing by giving everyone the chance they deserve.
- * Better financing for books.
- * Just keep doing what your doing!
- * Develop an online cooperative with the education departmnents and/or have some counselors do rotating on-site visits. Also, Making catalog and enrollment material available earlier!
- * No, well, yes. Assisting those of us to have a cap and gown during our ceremony and of working with the warden so that he may allow family to attend the ceremony.
- * Offer English and math classes that will enable students to gain a qualificatin into a 4 year college and help obtain an A.A.
- * I would like to see more information on universities I can transfer to to earn a bachelor's degree after Coastline.
- * More options and varieties in class selection.
- * I suggest for Coastline to provide free textbooks to those students who show initiative.
- * It would be useful if the Coastline store offered a selection of classical literature. I would like for Coastline to offer a wider variety of foreign language courses, as well as more advanced levels in those courses you already offer.
- * It would be cool to have a copy of every single textbook in each prison, but maybe that would have to be done at each individual prison. Overall, I think this program is wonderful. Thank you!
- * No more than I have already given.
- * More courses. Faster response time for quizzes, midterms, and final grades. Betrer instructor student interaction.
- * More interaction with instructors. To be able to get books at a discount instead of paying full price for them or maybe even borrowing books from the school.
- * You can give incarcerated students an extra assignment or two. :-)
- * Would like more variety of courses and would like better access to info on the coures to instructors!
- * Introduce a few creative writing/English literature courses aside from English 099 essay. Thank you.
- * I have no suggestions. But as far a s a coment, I have one. Thank you for allowing the people that's incarcerated the opportunity to receive an A.A. degree. Thank you.
- * The only suggestion I could make for improving this program is for some sort of financial aid to help with textbook costs and as stated above the addition of more coures and counseling resources.

Text and Paragraph Responses by Question Incarcerated Students (Science Students)

Question: Do you have any comments or suggestions for improving Coastline's Incarcerated Students Program?

- * A better variety of classes. Extra credit opportunities for all classes, and extra credit assignments that take into consideration the fact that we are incarcerated. Also, the certificate of business is really ugly looking. More effort could be put into making it and the diploma more professional.
- * Many students new to this program are unfamiliar with course name/numbers; Eng 50, Math 010, Math 101, etc. and how they relate to courses at other schools. Clarification regarding equivalencies between colleges would be great.
- * With the amount of people in attendance, Coastline is doing an excellent job!
- * To develop a better system of instructor response and some sort of printed information on what to do about complaints. After my previous experience, my complaint over changing the Math syllabi after enrollment will go the accreditation board.
- * Your program helped ignite a passion for learning that I expect will keep me taking classes the rest of my life. The only way to help people and fix the world is to educate them (it). Start with me! Thank you for your effort. Keep up the good work and God bless you!
- * CCC Incarcerated Program staff provide better counseling and prompt replies.
- * More science courses
- * Extend the program to add more courses. Double check the quizzes; sometimes the computer making errors when grading.
- * Thank you for giving me this opportunity. Thank you all!
- * Better student to instructor communication. An idea of what tests are going to be like. Better video set ups for proctors.
- * More language courses.
- * Having a class setting, even once a week, or other, or month, would be very cool. Above all, I would just like to thank Coastline for reaching out to the incarcerated and to say it is appreciated. I would love a broader selection of classes for the fine arts (music) especially. :-)
- * This program is saving my life. It's a reason to get up...a reason to live...a reason to feel good about yourself...a reason for your family to not give up on you...most important...a reason to forget. Forget about the walls, the locks, the stink, the incredible waste of potential, the incredible waste of human life...
- * If at all possible, hire more staff to help with the overwhelming demands of new students.
- * Offers business classes and more A.A. programs such as the one listed above.
- * The only suggestions I have is to find a way to return quiz results back faster to help me when I'm studying for midterms and finals. Other than that, I'm happy with the program.
- * Offer more math and science.
- * Promptness of quiz, midterm, final feedback. Feedback on essay and writing assignments.

Text and Paragraph Responses by Question Incarcerated Students (Science Students)

Question: Do you have any comments or suggestions for improving Coastline's Incarcerated Students Program?

- * The Marine Science teacher never responded to letter or e-mail in the past.
- * Besides additional courses, I believe Coastline is doing a wonderful job.
- * We sometimes have problems getting our books and other material on time, so if we could order our books ahead of the normal date, I think this would help a lot. Institutional mail is very slow.
- * Offer more classes
- * Maybe offer a few more classes, like accounting, speech, and English classes.
- * To be sure that all the education TVs are working proper.
- * 1. Offer other areas of concentration (majors) in getting an A.A. Degree other than just General Education and Business. 2. Advance Spanish and Math would be good because we only get to Intermediate levels in those subjects and the it ends right when you want to learn more of it.
- * No!



Program Review 2007-08 Validation Report

Science Program

1. Has the program adequately responded to the elements identified in the outline for instructional or student services programs (see appropriate checklist)?

Yes No

If no, note which topics were either omitted or not addressed clearly or substantially enough:

2. List the most important things (issues, trends, concerns, etc.) that are apparent from this report:

- A. A serious need exists to update or retire at least 20 out of 40 course outlines; those 20 are all more than 7 years old and some haven't been updated in more than 20 years.
- B. The program is experiencing strong demand for courses, driven by the needs of health occupations and biological sciences in general.
- C. Women students outnumber the men 54% to 46%.
- D. In Fall 2007, 46% of Coastline science students were enrolled only at Coastline; 23% were concurrently enrolled at another community college and 31% at a four-year institution. The large percentage of students enrolled only at Coastline provides a great opportunity for the college to draw these students into other general education and transfer programs.
- E. The Science Program—and the college—have an urgent need to hire a full-time lab assistant/facilitator who can properly maintain the labs and ensure compliance with safety standards.
- F. Dramatic growth in the Science Program has resulted in science producing 16% of the college's credit FTES; growth has placed significant strain on facilities, equipment, and staff.

3. Does the data substantiate the conclusions and recommendations made?

Yes No

If no, note the areas and manner in which data does not match conclusions or recommendations?

4. List any realistic suggestions the Steering Committee may have for the program based on information in the self-study.

- A. Grading and learning outcome expectations need to be carefully evaluated, particularly in Biology 170 where 100% of completing students in Fall 2007 received an A grade, and in other classes in which abnormal grade distributions are apparent.
- B. In order to comply with all safety requirements, a full-time lab facilitator should be hired as quickly as possible.
- C. The program needs to make their goal of updating all curriculum by Fall 2008 a priority. (Submit curriculum for courses being offered in Fall for September 2008 Curriculum Committee; submit remaining courses no later than December 2008 Curriculum Committee.)
- D. Increasing laboratory space is a tall order, but for the science disciplines to grow this is an issue that must be tackled college-wide as soon as possible.

- E. Pending establishment of a physiology lab, hiring a full-time physiology instructor would greatly strengthen the potential for growth in science enrollments and should provide a solid foundation for developing innovative inter-disciplinary programs.
 - F. The program needs to ensure that the rigor of the science curriculum is not compromised when sections are scheduled specifically to serve high school students through Credits for College or Early College High School. Curriculum and standards should be the same, regardless of the population being served.
 - G. The program should work with the Dean of Career and Technical Education to identify potential new certificate programs and to determine if the current Biological Technology Program should be placed under CTE.
 - H. Although the report generally satisfies requirements, faculty should examine the reasons behind the limited number of student survey responses, particularly from students enrolled in site-based classes and take steps to improve communication with all program faculty and to ensure stronger participation of faculty and students in future program review and planning efforts.
5. List program accomplishments and aspects for which the program should be commended.
- A. The chemistry, biology, and microbiology programs have sustained tremendous growth in the past few years. The dedication and hard work of the full-time and part-time faculty have made this growth possible.
 - B. The high degree of student satisfaction in the overall program suggests that the quality of instruction, including student/faculty communication, is very high.
 - C. The Science Program is to be commended for both its productivity and cost-effective combination of distance learning and site-based classes.