Annual report submitted to the Program Review Committee on November 8, 2013



 Signature of Department Chair/Lead Faculty Member Signature of Dean/Director

### Data and Analysis

### Department/Program Data

|  |  |  |  |
| --- | --- | --- | --- |
|  | Current Year 2013-14 | Previous Year 2012-13 | Two Years Prior 2011-12 |
| Number of Full-Time Classified | 0 | 0 | 0 |
| Number of Full-Time Faculty | 1 | 1 | 1 |
| Number of Full-Time Managers | 1 | 1 | 1 |
| Number of Part-Time Classified | 0 | 0 | 0 |
| Number of Part-Time Faculty | 1 | 1 | 2 |
| Number of Part-Time Managers | 0 | 0 | 0 |
| Students Served Annually | 373 | 722 | 506 |
| Total Non-Restricted Annual Budget |  |  |  |

### Department/Program Activities

|  |
| --- |
| Please list areas of responsibility and any seasonal activities (i.e. heavy enrollment periods for A/R) that may impact your department/program. |

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* 1. **Proposed Projects Requiring Additional Resources (not listed in Section B-Action Plans/Resource)**

|  |  |
| --- | --- |
| **Project Name and Description** | **Total Additional Dollars/Staff Needed** |
| Not applicable. |  |
|  |  |
|  |  |
|  |  |

* 1. **Outcomes (from most recent Program Review or Annual Program/Department Reports)**

|  |  |  |
| --- | --- | --- |
| **Student Learning/Service Area Outcomes Statements** | **Strategies to Achieve or Improve SLOs/SAO Goals** | **Outcome Data or Other Assessment Results (i.e. Data from Student SLO Survey)** |
| Not applicable. |  |  |
|  |  |  |
|  |  |  |

 **Analysis of Progress on Outcomes**

|  |
| --- |
| Not applicable. |

* 1. **Progress on 5-year Goals (from most recent Program Review)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Goal** | **Complete** | **Partially Complete** | **Not Started** | **Abandoned** | **Comments** |
| Not Applicable (see comments) |  |  |  |  | No goals for Physics or Astronomy were set forth in the previous PR. |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**Analysis of** **Progress on 5-year Goals**

|  |
| --- |
| Since no goals were set forth in the previous review due to a lack of full-time faculty (Dr. Devine was hired in Fall 2012), this space will be devoted to a brief summary of the current status of the Physics and Astronomy courses that are being offered in Fall 2012 at CCC. It is based on an inventory of lab equipment taken by Dr. Devine, an in-class evaluation of Dr. Khan by Dr. Gutierrez, and student feedback obtained in Fall 2012.**ASTR C100:** Dr. Devine (online) and Dr. Khan (onsite). Both courses require significant work. The online course is in an early stage of development, and the onsite course is too passive and needs to incorporate more active learning techniques. Both courses roughly 70% full. **ASTR C100L:** Offered for the first time in Fall 2012, taught by Dr. Devine. Will require computers at the Newport Beach Center, as many labs are based on simulations due to the lack of any equipment. Eventual acquisition of telescopes needed to provide hands-on laboratory exercises. 50% full.**PHYS C110:** Online; Dr. Khan. 75% full.**PHYS C120:** Hybrid; Dr. Devine. 60% full. Online lectures need development. Onsite labs do not meet minimum University standards. Less than 50% of the required equipment exists at this time, both in the number of labs and the number of stations per lab.**PHYS C125:** Hybrid; Dr. Devine. 85% full. Online lectures need development. Onsite labs do not meet minimum University standards. Less than 50% of the required equipment exists at this time, both in the number of labs and the number of stations per lab. |

**New Annual Program/Department Goals**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Goal** | **5 yr Goal****Addressed** | **Project****Completion****Date** | **Lead****Employee** | **Comments** |
|  |  |  |  |  |

### Action Plan and Resource Requests Based on Annual Data

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Action** | **Institutional planning goals\*** | **How action will improve student success** | **Type of Resource** | **Resource needs, if any** | **Department priority\*\*** | **Approximate cost** | **Potential Funding Source** |
| Purchase necessary lab equipment for PHYS 120/125 |  | Necessary in order to fulfill minimum University standards. | Equipment  | Dr. Devine has determined minimum equipment necessary for SPRING 2013. | 1 | 15K | ?? |
| Maximize effectiveness of Newport Center. |  | Improve PHYS/ASTR lab experience. | Facilities | No additional resources, new lab space in RM 117 at Newport facility. | 1 | 0 |  |
| Hire one additional Full-Time Faculty |  | Improve quality of PHYS/ASTR courses. | Personnel |  | 3 | ?? | ?? |
| Data Studio for PHYS, CLEA for ASTR. |  | Required Spring 2013 for PHYS and ASTR Labs.  | Software | Assistance in installing on computers RM 117 Newport. | 1 | 1K | ?? |
|  |  |  | Supplies |  |  |  |  |
| 15 computer terminals in lab RM 117 at Newport |  | Required Spring 2013 for PHYS/ASTR labs.  | Technology  | Money and IT support. | 1 | 5K |  |
| Assist Dr. Khan with interactive learning techniques. |  |  | Training  | None (except time for Dr. Devine to assist Dr. Khan) | 1 | 0 |  |
| Develop A.S. for PHYS. |  |  | Other | Dr. Devine needs to develop calculus based PHYS 185/280 | 1 | 0 | 0 |

\*Reference specific sections of College Education Master Plan, Strategic Initiatives, 5-year Program Review Goals, Accreditation Recommendations, SLO/SAO evaluation and assessment, College Mission, or other relevant planning documents. \*\*Prioritize the program’s resource needs with 1 being the most important and subsequent numbers being less urgent.

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