**Coastline Community College**

***Technology Vision 2015***

**(Joint Recommendation by ISD and the Technology Committee)**

**Infrastructure Needs**

By 2015 the College shall continue to develop and improve the College’s infrastructure by:

* Establishing & maintaining a secure, high speed data pipeline that supports College needs for data, video delivery, graphic user environments, educational social network applications, web 2.0, and external contract needs.
* Establishing a reliable server network solution, either internally or externally, that optimizes performance, 24/7 access anytime anywhere, security, and peak traffic demands.
* Providing a safe, secure, ubiquitous wireless access solution from ALL College sites and centers for faculty, staff, and students.
* Providing a network bandwidth solution that can support the need for high-speed multimedia applications to the desktop including effective educational applications of web 2.0, just-in-time help, persistent video streaming, interactive video, and/or self-help to improve critical skills.

**Communication Needs**

By 2015 the College shall continue to develop and improve the College’s Communications Needs by:

* Reducing the cost of travel and meeting attendance by providing desktop conferencing solutions and technical support for regular meetings and training activities by College constituents.
* Creating smarter websites that offer easy navigation and access, with better media support, and more self-help options to meet public expectations in a highly mediated world.
* Establishing access protocols for cell phone and mobile access to College information services, courses and other educational resources.
* Establishing easy system access to collaborative communications software solutions, including Wikis, Skype, Facebook, You-Tube, Twitter, RSS feeds, 2nd Life, and other popular communication systems our students are using every day.

**LMS (Seaport) Directions**

By 2015 the College shall continue to develop and improve the College’s Seaport Learning Management system by:

* Adding additional features and capabilities identified by instructional staff and faculty to support course, distance learning, and classroom needs.
* Adding features and flexibility to Seaport to allow use for contract education, military, and external marketing purposes, and as a revenue source.

**Classroom Technology Needs**

By 2015 the College shall provide for an effective classroom learning environment by:

* Equipping designated College classrooms with audio/video display technology hardware.
* Providing R&D for the use of lecture capture strategies for later viewing by students in selected courses, as approved by faculty.
* Providing selected sites with external outreach hardware to permit the webcasting of the class, or linkage to external sites for dual class activities or connections.

**Training Needs**

By 2015 the College shall provide for an effective training environment by:

* Continuing to operate the Summer Technology Institute to provide professional skill building and to improve the quality of educational support and instruction that the College offers.
* Providing for new strategies for just-in-time training and training outreach to the desktop, enabling staff and faculty to access support and assistance for needed tasks and education at their local work station, at their own schedule using Camtasia, archived files, mini-lessons and other techniques.
* Providing more self-help/online training for students enabling the better use of College systems, information access, and improved course performance.
* Schedule educational webinars (brown bag lunch activities for example) from both internal and external sources to improve College staff and faculty skills and knowledge.

**Portable Convergence Goals**

By 2015 the College shall recognize the convergence of mobile technology in the public sector and military by:

* Providing for access to courses and information from hand-helds, cell phones, Ipads, and other portable devices.
* Promoting and supporting the development and effective use of educational strategies for delivering content on mobile devices.

**Serious Simulations**

By 2015 the College shall take advantage of the capabilities of Web 2.0 delivery, and the growing potential of 3-D worlds and simulations, the high student participation in videogame-like activities, and the new opportunities for course support by:

* Creating a Coastline Virtual Campus in 2nd life to offer student services, student-faculty support opportunities, a virtual community meeting place for widely dispersed Coastline students, education fairs, an R&D location for new course development in a variety of disciplines.
* Developing commercially marketable 3-D and educational simulations supporting educational missions for ISD and contract education (examples- Virtual Emergency Operations Training Center, and Allied Health Care simulations, Refinery Operations, et al).

**Virtual Labs Development**

By 2015 the College shall take advantage of the ability to effectively meet identified science and other laboratory objectives through the use of new and emerging Web 2.0/3.0 technologies and services and the cost savings potential of virtual environments, delivered at a distance by:

* Building selected virtual lab enhancements which can be used to extend, supplement and improve the quality of existing laboratory experiences in a variety of disciplines (language, technology, math, sciences).
* Building a number of selected laboratory simulations which can be marketed and sold externally through ISD

**Knowledge Garden**

By 2015 the College will facilitate faculty access to a repository of educational resources and media which can be selected to enhance the quality of the College’s educational offerings by:

* Building easy to use pathways to the (Educause, Merlot and similar) databases of free media materials.
* Designing component connections into Seaport which allow faculty to manage student contributions of materials within courses (drop boxes, course assignment uploads, shared presentations, wikis, PowerPoints, etc.)
* Improving and enhancing the College’s Library resource website by facilitating access to resource materials and support processes

**Educational Directions & Aspirations**

By 2015 the College will realize the importance of the continuing quest for excellence in education, leading to the facilitation of higher order critical thinking and skill sets by:

* Encouraging and expanding Coastline College as a “learning organization” where not only students, but faculty, staff, and administrators continue to improve their own skills and abilities.
* Continuing the quest for convenience, effectiveness, and time compressed learning opportunities for students and College constituents.
* Continuing to encourage the examination of the definitions of “teaching and learning” through innovative and creative explorations, research and development projects, new technology applications, grants activities, and individual initiative in departments, disciplines and units.