INTRODUCTION TO HEALTH SCIENCE
HLTH 1010

Class Hours: 3.0  Credit Hours: 3.0
Laboratory Hours: .0  Revised: Fall 2014

Catalog Course Description:

Introduction to health science principles as they apply to organizations and communities. Covered topics include an overview of therapeutic, diagnostic, health informatics, support services, and biotechnology research and development pathways in the health science career cluster. The course focuses on health careers exploration, healthcare system, employability, and communication skills. Students will develop a concept of health maintenance practices, safety, teamwork, and legal and ethical responsibilities. Work-based learning experiences may be implemented.

Entry Level Standards:

English language reading and writing skills at the college-entry level.

Prerequisites:

none

Corequisites:

none

Textbook(s) and Other Course Materials:


I. Week/Unit/Topic Basis:

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1</td>
<td>Evolution of Health Science and Healthcare</td>
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<tr>
<td>2</td>
<td>Working as a Team, Team Building</td>
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</table>
| 3    | Culture, Beliefs  
Learning health science language |
| 4    | Growth and Development |
| 5    | Introduction to Health Science Safety |
II. Course Goals*:

The course will

A. Develop an understanding of the fundamental role and scope of health sciences and healthcare II, V

B. Introduce students to the health science vocabulary. III

C. Enhance students’ understanding an individual’s responsibility for planning and goal setting utilizing teamwork strategies, and diverse competent care. II, III, V, VIII, X

D. Enhance students’ abilities in developing and maintaining strong relationships through effective communication skills. I, II, V, VI, VIII, X

E. Foster the ability of students to understand teamwork as well as the skills of coaching, evaluating, delegating, and navigation of health science careers. V, VIII, IX, X

F. Guide students to understand the change agent function of health science competencies. IV

G. Introduce students to the basic elements of internal and external change in health care settings. IV, VIII

*Roman numerals after course objectives reference goals of the Health Science program.

Health Sciences Program Goals:

Upon successful completion of the Associate of Applied Science in Allied Health Sciences Program, the graduate will develop skills, knowledge and abilities to accomplish the following:

I. Utilize multiple sources of information and knowledge, which include computer-based data, to critique and improve clinical decisions within their chosen health science specialty.

II. Develop beginning understanding and implementation of quality and safety skills and attitudes necessary to continuously improve the quality and safety of the healthcare systems.

III. Display beginning mastery of content in supervision and leadership in allied health
services.

IV. Utilize related research in the delivery of healthcare services.

V. Deliver culturally competent care that reflects sensitivity to racial, ethnic and cultural diversity.

VI. Practice and evaluate caring behaviors in the health services discipline.

VII. Deliver healthcare services that are cost-effective and assures financial accountability.

VIII. Participate in coordinated care by practicing shared decision-making, delegating and teamwork within the healthcare professions.

IX. Engage in critical self-assessment in order to maintain life-long learning.

X. Display and engage accountability in decision making within the health science discipline.

III. Expected Student Learning Outcomes*:

Students will be able to:

1. Identify and discuss the evolution of various aspects of health science. A,B

2. Explore health science careers as a bridge to develop personal career goals. A, E, F

3. Recognize the managerial functions and challenges posed by changes in the external environment and within health care organizations. C,F,G


5. Develop skills in team building and the management of groups. A,B,C

6. Synthesize information about strategic planning in health service organizations and the relationships of planning to innovation and change. C

7. Frame the context for understanding the concept of motivation, including who, what, and why about employee motivation. C,D,E

8. Analyze the dynamics of situations and apply effective leadership styles to motivate individuals, enhance organizational performance, and achieve stated goals. A,C,E

9. Develop knowledge in rapidly changing technical health science career fields. A, D, E

10. Discuss the importance of quality to a healthcare system and the leading models of quality improvement. A,F

11. Describe the importance, purpose, and major objectives of financial management in healthcare organizations. A,B,C

12. Discuss the primary reimbursement methods from government-sponsored programs, including Medicare and Medicaid. A,F,G

13. Integrate the predominate approaches to strategic management of human resources to improve organizational performance using employee performance evaluation models. A,C,E

* Capital letters after Expected Student Learning Outcomes reference the course goals listed above.

IV. Evaluation:

A. Testing Procedures: 50%
There will be a comprehensive midterm exam and final exam each worth 25% of course grade.

B. Laboratory Expectations:

n/a

C. Field Work:

n/a

D. Other Evaluation Methods: 50% of grade

Assignments: 50%. Assignments must be completed and submitted at the designated date and time. All assignments turned in late will be reduced by 50%.

E. Grading Scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>92-100</td>
</tr>
<tr>
<td>B</td>
<td>84-91</td>
</tr>
<tr>
<td>C</td>
<td>78-83</td>
</tr>
<tr>
<td>D</td>
<td>70-77</td>
</tr>
<tr>
<td>F</td>
<td>Below 70</td>
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V. Policies:

A. Attendance Policy:

Pellissippi State expects students to attend all scheduled instructional activities. As a minimum, students in all courses (excluding distance learning courses) must be present for at least 75 percent of their scheduled class and laboratory meetings in order to receive credit for the course. Individual departments/programs/disciplines, with the approval of the vice president of Academic Affairs, may have requirements that are more stringent. In very specific circumstances, an appeal of the policy may be addressed to the head of the department in which the course was taken. If further action is warranted, the appeal may be addressed to the vice president of Academic Affairs.

B. Academic Dishonesty:

Academic misconduct committed either directly or indirectly by an individual or group is subject to disciplinary action. Prohibited activities include but are not limited to the following practices:
• Cheating, including but not limited to unauthorized assistance from material, people, or devices when taking a test, quiz, or examination; writing papers or reports; solving problems; or completing academic assignments.
• Plagiarism, including but not limited to paraphrasing, summarizing, or directly quoting published or unpublished work of another person, including online or computerized services, without proper documentation of the original source.
• Purchasing or otherwise obtaining prewritten essays, research papers, or materials prepared by another person or agency that sells term papers or other academic materials to be presented as one’s own work.
• Taking an exam for another student.
• Providing others with information and/or answers regarding exams, quizzes, homework or other classroom assignments unless explicitly authorized by the instructor.
• Any of the above occurring within the Web or distance learning environment.

Please see the Pellissippi State Policies and Procedures Manual, Policy 04:02:00 Academic/Classroom Conduct and Disciplinary Sanctions for the complete policy.
C. Accommodations for disabilities:

Students that need accommodations because of a disability, have emergency medical information to share, or need special arrangements in case the building must be evacuated should inform the instructor immediately, privately after class or in her or his office. Students must present a current accommodation plan from a staff member in Disability Services (DS) in order to receive accommodations in this course. Disability Services may be contacted by sending email to disabilityservices@pstcc.edu, or by visiting Alexander 130. More information is available at http://www.pstcc.edu/sswd/.

D. Other Policies:

**Computer Usage Guidelines:**
College-owned or operated computing resources are provided for use students of Pellissippi State Community College. All students are responsible for the use of Pellissippi State's computing resources in an effective, efficient, ethical and lawful manner.