ALH 138: Pharmacy Technician Clinical Co-Operative Externship –

Course Description, Topics, Learning Objectives

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NEW COURSE PROPOSAL

Course Discipline/Division: Allied Health/Healthcare
Course Number: ALH 138
Course Name: Pharmacy Technician Clinical Co-Operative Externship
Prerequisites and/or corequisites (confer with affected department coordinator): ALH 137
CIP code (check with IRaP Office): 51.0805
Effective Term/year: Fall 2013
Give a rationale for the new course. Be sure to indicate whether this course replaces another course. To give students practical experience to enter the workforce.
Is the course content similar to other courses now offered?   Yes ___   No _X__ If yes, attach a statement for the coordinator of the department offering the similar course.
Please indicate if this course will serve as any of the following types of electives _X__ Elective _X__ Discipline specific (name the discipline) __X_ Program specific (name the program) __X_ Multiple perspective (confer with the Liberal Arts Coordinator)
Is this course required for a program? If yes, submit a separate Program Revision Proposal or New Program Proposal.

Expected enrollment per term: 12	Expected enrollment per year: 24

Will any of the following be required:
        Additional staff _X_   Additional space _X_   Additional equipment _X__
 	
Provide a rationale for any needs indicated above and include approximate cost of equipment.
 	
New course/accelerated need additional instructor. Space allowing for students to practice their newly learned skills. Additional equipment is listed below:
    1. LAH (laminar airflow hood)
    2. Sink
    3. Computer & printer
    4. Syringes
    5. IV bags & vials
    6. Repackaging materials/ blister packs
    7. Balance
    8. Ointment slab
    9. Counting trays & spatulas
    10. Mortar & pestle
    11. Prescription vials & bottles
    12. Empty stock bottles
    13. Cylinders for measuring liquids

Library print and non-print resources in support of this course: $500

Course Materials

Course number: ALH 138		
Course name: Pharmacy Technician Clinical Co-Operative Externship		
Credits: 6		
Lecture Hours: 40	Lab hours:80	Clinic Hours:150

General course description and prerequisites (as it will appear in the catalog):

The externship prepares students for a career as a pharmacy technician. Students learn compounding skills, mathematical calculations, and how to use reference materials. Students then work in a pharmacy and learn how to perform as a pharmacy technician. They practice their communication skills; familiarize themselves with the layout of a pharmacy and its daily and monthly operation. Students experience data entry and third party billing, inventory and compounding. Students also practice writing resumes, interviewing, and professional skills. Prerequisite: ALH 137

All required texts and paperbacks, including information on publisher and edition used (provide a suggested text):

Manual for Pharmacy Technicians 4th edition, Bonnie S. Bachenheimer 2011
ISBN   9781585282074
Workbook for the Manual for Pharmacy Technicians, Mary Mchugh 2010
ISBN   9781585282579

Instructional Objectives (list):

1. Explain the POS system
2. Explain the roll of the pharmacy technician
3. Demonstrate OBRA protocols
4. Utilize pharmacy references
5. Demonstrate the filling process of a prescription
6. Locate different areas of the pharmacy
7. Locate different drugs within the pharmacy
8. Have a working knowledge of top 100 drugs
9. Write a resume
10. Sit for an interview

Teaching procedures: (provide suggested teaching methodology):

Lecture   Computer Illustration
Worksheets   Textbook/Workbook
Videos   Power   points   Class Discussion

Course topics and/or assignments and/or required and/or supplemental reading (provide a list of suggested course topics):

Overview of the layout of a pharmacy – read Manual Chapters 1 & 2
Overview of the layout of a pharmacy – read Manual Chapter 7
Data Entry – Workbook Chapters 4 & 5
Compounding read Manual chapters 15 & 16, workbook chapters 8 & 9

Other information:

Suggested basis for student grading and criteria for evaluating student performance

Attendance   50 %
Exam   25%
Externsh   ip   25%   ____
                                100%

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Suggested attendance policy

Attendance in laboratory and at work experience is mandatory. Excessive absence may result in possible failure of class due to management of mandatory clinical hours of training.

Suggested plagiarism statement

Suggested assessment methodologies Exam practical (hands on procedural demonstrations), successful fulfillment of externship hours

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<tr><td colspan="2">Please submit a syllabus for this new course to your dean.

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List the Student Learning Outcomes for this course in the table below. Recommendations for writing SLOs can be found in the *General Information for Academic Affairs Proposals* document that is available on the QCC's Intranet under Frequently Used Forms (Academic Governance Forms).

COURSE STUDENT LEARNING OUTCOMES FOR (ALH 138 Pharmacy Technician Clinical Co-Operative Externship) upon completion of the course, students will be able to:	
1	Explain the POS system
2	Explain the roll of the pharmacy technician
3	Demonstrate OBRA protocols
4	Utilize pharmacy references
5	Demonstrate the filling process of a prescription
6	Locate different areas of the pharmacy
7	Locate different drugs within the pharmacy
8	Have a working knowledge of top 100 drugs
9	Write a resume
10	Sit for an interview

How does the course support general education? Using the chart below, indicate the degree or level of connection between the course and outcome as indicated here.

I – Introductory/Background – There is an indirect relationship between the course and the outcome. The outcome itself is not the focus of the course but at least one element of the course serves as a building block to the achievement of the final outcome. For example, course elements may provide the knowledge, skills or attitudes necessary for the ultimate achievement of the outcome.

M – Intermediate/Transitional - There is more of a direct relationship between the course and the outcome than Introductory. A mixture of course elements supports the final achievement of the outcome, but the final integration of knowledge, skills and attitudes necessary for its achievement is not accomplished in this course. For example, knowledge, skills and/or attitudes (at least 2 of the 3) required for achievement of the outcome may be the focus of the course or course element, but the integration of all three is not.

E – Emphasized – There is a direct relationship between the course and the outcome. At least one element of the course focuses specifically on the complex integration of knowledge, skills and attitudes necessary to perform the outcome.

CONNECTION OF (ALH 138 Clinical Cooperative Externship for Pharmacy Technician) TO GENERAL EDUCATION STUDENT LEARNING OUTCOMES	I,M,E
Communication Skills: Students will write and speak effectively.	E
Information Literacy: Students will locate, evaluate and apply reliable and appropriate information.	E
Quantitative Reasoning: Students will apply the concepts and methods of mathematics to solve problems.	E
Scientific Reasoning: Students will relate scientific methods of inquiry to the acquisition of knowledge.	M
Technical Literacy: Students will utilize computer an emerging technologies effectively.	E
Aesthetics: Students will appreciate the variety of human experiences as expressed through the arts.	E
Multiple Perspectives: Students will demonstrate knowledge and appreciation of diverse cultures.	M
Ethics: Students will develop an awareness of personal obligations and responsibilities in one's community of influence.	E
Impact of Technology: Students will reflect on the impact of scientific and technological advances on the individual, society and the environment.	E
Civic Literacy: Students will demonstrate awareness of the responsibilities of local, national and international citizenship.	M

Clinical Cooperative Externship for Pharmacy Technician ALH 138
(6 credits)

Course Description

The externship prepares students for a career as a pharmacy technician. Students learn compounding skills, mathematical calculations, and how to use reference materials. Students then work in a pharmacy and learn how to perform as a pharmacy technician. They practice their communication skills; familiarize themselves with the layout of a pharmacy and its daily and monthly operation. Students experience data entry and third party billing, inventory and compounding. Students also practice writing resumes, interviewing, and professional skills.
Prerequisite: ALH 137

Course Objectives:

Upon completion the student should be able to:

1. Explain the POS system
2. Explain the roll of the pharmacy technician
3. Demonstrate OBRA protocols
4. Utilize pharmacy references
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6. Locate different areas of the pharmacy
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Course Outline
Classroom/ Lab (120 hours)

Week 1
Overview of the layout of a pharmacy
Learning   Objectives:
1. Identify areas of a pharmacy
2. Review tasks a technician can perform
3. Demonstrate OBRA

Reading: Manual Chapters 1 & 2

Week 2
Reference   materials:
Learning   Objectives:
1. Identify reference source
2. Demonstrate use of sources

Reading: Manual Chapter 7

Week 3
Data   Entry
Learning   Objectives:
1. Define steps
2. Clarify and correct Rx's & Medication orders
3. Explain third party data entry
4. Explain DAW concept
5. Explain filling process of a prescription

Reading: Manual Chapters 13 & 17
          Workbook Chapters 4 & 5

Week 4
Com   pounding
Learning   Objectives:
1. Identify common compounding equipment
2. Describe workflow procedures within a LAH
3. Explain the difference between sterile and nonsterile compounding equipment/ rooms
4. Explain the different types of packaging for medications

Reading: Manual Chapters 15 & 16
          Workbook Chapters 8 & 9

Week 5
          Exams (theory & practical)

Week 6
Professionalism
Learning   Objectives:
1. Write a resume
2. Demonstrate professional dress and conduct
3. Explain effective communication skills required

Reading: Manual Chapter 8

Weeks 7-15 (150 hours)

Placement in a pharmacy
Unifor   m requirements
          White lab coat with QCC name and student nametag
Health/Lab   requirements:
Drug   test

Methods of Instruction

Lecture   Computer Illustration
Worksheets   Textbook/Workbook

Videos   Power   points
Class   Discussion

Attendance Policy

      Attendance in laboratory and at work experience is mandatory. Excessive absence may result in possible failure of class due to management of mandatory clinical hours of training.

Method of Evaluation

Attendance   50   %
Exam   25%
Externsh   ip   25%   ____
   100%

Required Text:

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