

Course Syllabus

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Course Code: BIO 155G

Course Title: Anatomy and Physiology

Credits: 4.0

Course Description: This course provides a thorough survey of human anatomy and physiology, including proper identification of body planes and sections along with the structure and function of all major organ systems. This course includes an introduction to basic histology including cell structure, metabolism, and division, semi-permeable membranes, and enzymes. The lab associated with this course is considered the 11 credits the student earns through clinical experiences.

Learning Objectives

Learning objectives are identified through the linking of MEAC Essential Competencies and the NCM Degree Qualification Profile.

Learning Activities:

1. Student reads appropriate sections from the Learning Materials/Resources.
2. Student answers the questions listed in the didactic assessments by researching the learning materials/resources for the course and correctly citing the sources and page numbers for each of their answers.
3. Student presents the answers to the questions listed in the didactic assessments for review by preceptor.
4. Student participates in preceptor elaboration/discussion of didactic assessments.
5. Student participates in recommended role-playing and/or clinical interactions

Note: The clinical requirement of NARM /Clinical Skills is completed at any time throughout the ASM apprenticeship during actual clinical practice and is NOT a requirement to complete this academic course. Typical clinical manifestations of knowledge learned in this course are identified in the learning objective document above.

Learning Materials / Resources:

Please use textbooks less than 5 years old or most recent edition.

1. Coad, Jane. Anatomy and Physiology for Midwives. 2nd edition (pending release of 3rd edition). Churchill Livingstone Press. Elsevier Limited. 2005
2. Wylie, Linda. Essential Anatomy and Physiology in Maternity Care. Churchill Livingstone Press. Elsevier Limited. 2005.

3. Shier, David. Hole's Anatomy and Physiology. 12th edition. Mcgraw Hill. 2010.
4. Mcgraw Hill publishers study companion to Hole's Anatomy and Physiology Textbook.
5. [NARM Comprehensive Skills, Knowledge, and Abilities Essential for Competent Midwifery Practice Verification Form 201a](http://narm.org/pdffiles/AppForms/Form201a.pdf) [_ \(http://narm.org/pdffiles/AppForms/Form201a.pdf\)](http://narm.org/pdffiles/AppForms/Form201a.pdf)
6. [MEAC Core Competencies for Midwives](http://meacschools.org/wp-content/uploads/2014/12/Curriculum-Checklist-of-Essential-Competencies-rev-2014.pdf) [_ \(http://meacschools.org/wp-content/uploads/2014/12/Curriculum-Checklist-of-Essential-Competencies-rev-2014.pdf\)](http://meacschools.org/wp-content/uploads/2014/12/Curriculum-Checklist-of-Essential-Competencies-rev-2014.pdf)
7. [_ \(http://meacschools.org/wp-content/uploads/2014/12/Curriculum-Checklist-of-Essential-Competencies-rev-2014.pdf\)](http://meacschools.org/wp-content/uploads/2014/12/Curriculum-Checklist-of-Essential-Competencies-rev-2014.pdf) [Midwives Model of Care](http://cfmidwifery.org/mmoc/define.aspx) [_ \(http://cfmidwifery.org/mmoc/define.aspx\)](http://cfmidwifery.org/mmoc/define.aspx)
8. Students must find 1 article/study less than 5 years old.
 1. Help Evaluating Articles (visit the digital library)
 2. Citation Guidance (visit the digital library)
 3. Places to Find Research Articles (visit the digital library)

Evaluation Tools / Methods:

Minimum passing grade for all courses is a cumulative 80% / B-. Students and preceptors are encouraged to work together until the student masters the information.

Grades are not recorded until both the student and preceptor submit end of trimester evaluations.

The student's final grade for the course is based on preceptor evaluation of the following:

1. The preceptor evaluates each answer based on NCM rubrics and NCM's degree level profile.
2. Student's answers should reflect a thorough review of current literature regarding best current practices in midwifery care.
3. Each answer should be formed in the student's own words or paraphrased from the text. The answer should be minimal, not a rewrite of the entire text, but enough to show appropriate comprehension of the learning objective.
4. Student identification of sources and page numbers for each of the didactic assessments. (Preceptor should do a random check to determine that sources cited are correctly identified.)

Course credit: One Academic credit equals approximately 15 hours of formal time plus 30 hours of additional study or homework. Formal time is defined as the amount of time taken to answer the Learning Objectives to the level of 80% and to complete any learning activities to the preceptor's satisfaction, including any time spent face to face with the preceptor. Informal time includes any time spent actively reading relevant sources and textbook/s, researching Learning Objectives, and studying for examinations.

Course Summary:

Date

Details
