

# Course Syllabus

[Jump to Today](#)



## BIO 120

**Course Title:** Fetal Development

**Credits:** 1.0

**Course Description:** This course follows the origin and development of the fetus from zygote to birth. It provides an understanding of the month-by-month fetal development; the skeletal structure and organ systems. This course explores the structure and function of the placenta, chorionic villi, umbilical cord, amniotic sac and amniotic fluid.

This course uses current research in midwifery and obstetrics to expand the student's understanding of the NARM skills and MEAC essential competencies learned under clinical supervision.

### Learning Objectives

[Learning Objectives](https://ncm.instructure.com/courses/619/files/14664/download?download_frd=1)  [\(https://ncm.instructure.com/courses/619/files/14664/download?download\\_frd=1\)](https://ncm.instructure.com/courses/619/files/14664/download?download_frd=1)  are provided in the spreadsheet that lists the overlapping MEAC Essential Competencies and the NCM Degree Qualification Profiles for Fetal Development.

*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 the most recent edition. (Most recent editions are listed here.)*

1. Moore, K., Persaud, T.V.N. and Torchia, M.G. Before we are born: Essentials of embryology and birth defects. 9th edition. Elsevier Health Sciences. 2016. (10th edition due out in May 2021)
2. Coad, Jane. Anatomy and Physiology for Midwives. 4th edition. Elsevier Limited. 2020
3. Dudek, Ronald W. High-Yield Embryology, 5th Edition. Wolters Kluwer. 2013.
3. [MEAC Abbreviated NARM Skills Form](#)

4. [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>)
5. [Midwives Model of Care® \(https://www.citizensformidwifery.org/mmoc\)](https://www.citizensformidwifery.org/mmoc)

## Resources for study

*Help Evaluating Articles (visit the digital library)*

*Citation Guidance (visit the digital library)*

*Places to Find Research Articles (visit the digital library)*

## Evaluation Tools / Methods:

All assignments for this course are evaluated using the following criteria:

1. Responses to each didactic assessment are evaluated utilizing the NCM rubrics and degree level profile.
2. Answers should reflect a thorough review of the current literature regarding best current practices in midwifery care.
3. Non-plagiarized paraphrased answers from text which demonstrate appropriate comprehension of the learning objective. (Formative Assessment) *Students and Online Learning Coordinators work together until the student masters the information. (Summative Assessment)*
4. Group sharing within NCM is acceptable and encouraged. Students are allowed to use each other's answers by indicated "Group Share" and submission of the answer on all group identified assignments.
5. NCM's [Integrity Code \(https://docs.google.com/document/d/14PvgiDU4MJEKRZZiUQRFhNBcDL\\_KFqZzATPkDvuQYzA/edit?usp=sharing\)](https://docs.google.com/document/d/14PvgiDU4MJEKRZZiUQRFhNBcDL_KFqZzATPkDvuQYzA/edit?usp=sharing) is the basis for a "completed" score earned on all assignments which are allowed to be completed with students' preceptor(s).
6. Random evaluation of cited sources and page numbers for each written assignment.

*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% for midwifery courses and 70% for general education courses 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.*