

Course Syllabus

[Jump to Today](#)

 [Edit](#)

SOC 102



Course Title: Human Genetics/Genetic Screening

Credits: 1.0

Course Description: This course provides an introduction to the principles of genetics. Students are expected to master a basic understanding of how genetic traits are passed on and how the internal and external environment of the cell can affect this process and how genes are expressed. Emphasis is placed on understanding the effects of teratogens and the unique vulnerability of the fetus to exposure during key periods in development.

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)  are provided in the spreadsheet that lists the overlapping MEAC Essential Competencies and the NCM Degree Qualification Profiles for Genetic Screening.

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.

Please use textbooks less than 5 years old or the most recent edition. (Most recent editions are listed below.)

1. **OpenStaxAccess.** [_ \(https://openstax.org/subjects/science\)](https://openstax.org/subjects/science) These free online textbooks are FANTASTIC resources!! Did I mention that they are free?? For this course, feel free to review Anatomy and Physiology, Biology, and **Concepts in Biology-Unit 2 is on Genetics** to make sure you understand the concepts presented. **Biology 2e Unit 3 on Genetics is great!!**
2. 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 March 2021)

3. Coad, Jane. Anatomy and Physiology for Midwives. 4th edition. Elsevier Limited. 2020

4. [MEAC Abbreviated NARM Skills Form](#)

5. [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>)

6. [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/14PvgiDU4MJEKRZZiUQRFhNBEDL_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