

Course Syllabus

[Jump to Today](#) [Edit](#)**MW 306****Course Title: Antepartum Diagnostic Lab Tests & Procedures****Credits: 0.5**

Course Description: This course reviews diagnostic tools used in testing and identifying abnormalities and determining normal development and maternal health during the antepartum period. Tests covered include ultrasound, genetic screening, tests for Rh and ABO incompatibility, non-stress and biophysical profile tests, tests for liver function, group B strep test, testing for STIs, testing maternal urine for protein and sugars, and testing for anemia and diabetes.

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

Learning Objectives

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

Learning Activities

Antepartum Courses

Read, listen to, watch assigned lesson materials.

Submit a written summary of current research.

Complete oral and/or written formative didactic assessments with final summative submission.

Identify and cite high-quality sources.

Use articulated reasoning while participating in an oral presentation, facilitated discussions and skills demonstrations.

Submit a portfolio.

Analyze a case study.

Optional: Participate in a skills demonstration and/or
role-playing activity.

Optional: Develop a study aid.

Complete a final exam.

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. **Frye, Anne. Understanding Diagnostic Tests in the Childbearing Year: A Holistic Approach. 7th edition. Labrys Press. 2007. <http://www.worldcat.org/title/understanding-diagnostic-tests-in-the-childbearing-year-a-holistic-approach/oclc/184843613/editions?editionsView=true&referer=br>**
2. **Johnson, Ruth and Taylor, Wendy. Skills for Midwifery Practice. Elsevier Churchill Livingston. 2013. <http://www.worldcat.org/title/skills-for-midwifery-practice/oclc/968787682/editions?editionsView=true&referer=br>**
3. **Weaver, P. and Evans, S.K. Practical Skills Guide for Midwifery: a tool for midwives & students. 4th Edition. Morningstar Publishing Co. Wasilla. 2012. <http://www.worldcat.org/title/practical-skills-guide-for-midwifery-psgm-a-tool-for-midwives-students/oclc/822657432?ht=edition&referer=br>**
4. **Davis, Elizabeth. Heart and Hands: A midwife's guide to pregnancy and birth. 5th Edition. Celestial Arts Press. 2013. http://www.worldcat.org/title/heart-and-hands-fifth-edition-a-midwives-guide-to-pregnancy-and-birth/oclc/869404605&referer=brief_results**
5. **Varney et al.. Varney's Midwifery. 5th edition. Jones and Bartlett Learning. 2015. <http://www.worldcat.org/title/varneys-midwifery/oclc/913506930?referer=br&ht=edition>**
6. **Frye, Anne. Holistic Midwifery: A comprehensive Textbook for Midwives and Home Birth Practice, Vol I, Care During Pregnancy. Labrys Press. 2010. <http://www.worldcat.org/title/holistic-midwifery-a-comprehensive-textbook-for-midwives-in-homebirth-practice/oclc/50199830/editions?editionsView=true&referer=br>**
7. United States Department of Labor, Occupational Health and Safety Administration (OSHA). <http://www.osha.gov/index.html>. 2017.
8. **MEAC Abbreviated NARM Skills Form**
(<http://www.midwiferycollege.org/AcademicProgram/Downloads/ASM/Clinical/Form-NARMSkills.pdf>)
(<http://www.midwiferycollege.org/AcademicProgram/Downloads/ASM/Clinical/Form-NARMSkills.pdf>)
8. **MEAC Core Competencies for Midwives** (<http://meacschools.org/wp-content/uploads/2014/12/Curriculum-Checklist-of-Essential-Competencies-rev-2014.pdf>)
9. **Midwives Model of Care®** (<http://cfmidwifery.org/mmoc/define.aspx>)
10. Students must find 1 article/study less than 5 years old. Recommended internet links as needed for latest developments in midwifery care:
 - **The Cochrane Collaboration** (<http://www.cochrane.org/>)

- **EBSCO** (<http://ejournals.ebsco.com/login.asp?bCookiesEnabled=TRUE>)
- **National Library of Medicine** (<https://www.nlm.nih.gov/>)
- **PubMed** (<https://www.ncbi.nlm.nih.gov/pubmed/>)
- **ScienceDirect** (<http://www.sciencedirect.com/>)
- **Medscape** (<http://www.medscape.com/womenshealth>)
- **World Health Organization** (<http://www.who.int/en/>)

Evaluation Tools / Methods:



The minimum passing grade for all courses is a cumulative 80% / B-. Grades are not recorded until both the student and preceptor submit end of trimester evaluations and in the case of general education courses supervision is completed.


















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 the text which demonstrate appropriate comprehension of the learning objective. (Formative Assessment) Students and preceptors are encouraged to work together until the student masters the information. (Summative Assessment)
4. 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.

Course Summary:

Date	Details
Tue Jul 25, 2017	 Office Hours (https://ncm.instructure.com/calendar?event_id=117&include_contexts=course_139) 8am to 9am
	 A Note on Community Building Activities (https://ncm.instructure.com/courses/139/assignments/6504)

Date	Details
	 <u>Blood Types Explained</u> https://ncm.instructure.com/courses/139/assignments/9160
	 <u>Cell-free DNA Screening</u> https://ncm.instructure.com/courses/139/assignments/9159
	 <u>Create a GBS Informed Decision Form</u> https://ncm.instructure.com/courses/139/assignments/9261
	 <u>Exams and Quizzes</u> https://ncm.instructure.com/courses/139/assignments/6505
	 <u>Flashcards</u> https://ncm.instructure.com/courses/139/assignments/13598
	 <u>Gestational Diabetes Testing Informed Decision Form</u> https://ncm.instructure.com/courses/139/assignments/13597
	 <u>Highly Recommended Optional Enrichment Activities</u> https://ncm.instructure.com/courses/139/assignments/13596
	 <u>HPV Testing</u> https://ncm.instructure.com/courses/139/assignments/9158
	 <u>Journal Article Summary</u> https://ncm.instructure.com/courses/139/assignments/6506
	 <u>MW306-001 - Explain why it is important to give an informed consent prior to performing any diagnostic tests on a client. Include elements that should be included in this informed consent.</u> https://ncm.instructure.com/courses/139/assignments/6470
	 <u>MW306-002 - Discuss the most common blood test used for diagnosing pregnancy. Include when and how often it should be performed, the normal values and value trends that indicate a positive result, and what results are considered abnormal.</u> https://ncm.instructure.com/courses/139/assignments/6471
	 <u>MW306-003 - What are the lab tests for pregnancy that are most commonly done at or shortly after the initial visit with a midwife? Discuss the methods for obtaining the lab samples necessary to perform each test.</u> https://ncm.instructure.com/courses/139/assignments/6472
	 <u>MW306-004 - List the sexually transmitted infections that are commonly screened for in pregnancy. Discuss any risk factors that might increase the need for these tests.</u> https://ncm.instructure.com/courses/139/assignments/6473
	 <u>MW306-005 - Discuss at least 4 types of diagnostic tests that can be done during pregnancy to identify genetic abnormality of the fetus.</u> https://ncm.instructure.com/courses/139/assignments/6474
	 <u>MW306-006 - Discuss the TORCH test and what conditions are screened for with this test. Include risk factors that indicate the need for this screen.</u> https://ncm.instructure.com/courses/139/assignments/6475
	 <u>MW306-007 - Discuss the rationale for using urinalysis during pregnancy.</u> https://ncm.instructure.com/courses/139/assignments/6476
	 <u>MW306-008 - What are the steps used to perform urinalysis in an out-of-hospital setting?</u> https://ncm.instructure.com/courses/139/assignments/6477

Date	Details
	 MW306-009 - Discuss the importance of diagnosing urinary tract infection during pregnancy. Include the tests used to diagnosis a UTI. (https://ncm.instructure.com/courses/139/assignments/6478)
	 MW306-010 - Name two methods by which to test for gonorrhea and chlamydia. Discuss the proper method for collecting specimens used in these tests. (https://ncm.instructure.com/courses/139/assignments/6479)
	 MW306-011 - Discuss visual observations that can be made when collecting a urine sample and the indications of any abnormal findings. (https://ncm.instructure.com/courses/139/assignments/6480)
	 MW306-012 - 12. Name the measurements used to confirm fetal size by ultrasound (https://ncm.instructure.com/courses/139/assignments/6481)
	 MW306-013 - Name the period when ultrasound is most useful for assessing a due date. (https://ncm.instructure.com/courses/139/assignments/6482)
	 MW306-014 - Describe the scoring process done in a biophysical profile. Include under what circumstances in pregnancy the biophysical is most useful and what the indications of an equivocal or abnormal score are. (https://ncm.instructure.com/courses/139/assignments/6483)
	 MW306-015 - Explain a contraction stress test and how it is used to determine fetal well-being. (https://ncm.instructure.com/courses/139/assignments/6484)
	 MW306-016 - Explain a non-stress test. (https://ncm.instructure.com/courses/139/assignments/6485)
	 MW306-017 - Discuss the rationale behind assessing amniotic fluid volume. Include the parameters for oligohydramnios and polyhydramnios. (https://ncm.instructure.com/courses/139/assignments/6486)
	 MW306-018 - Explain the Rh factor and why it is important to know each pregnant person's factor during pregnancy. (https://ncm.instructure.com/courses/139/assignments/6487)
	 MW306-019 - Explain how Rh and ABO incompatibilities are detected. (https://ncm.instructure.com/courses/139/assignments/6488)
	 MW306-020 - Explain the rationale behind performing a Complete Blood Count during pregnancy. Describe changes in CBC results that are normal during pregnancy versus abnormal. (https://ncm.instructure.com/courses/139/assignments/6489)
	 MW306-021 - Name the childhood illness tested for in pregnancy and why. (https://ncm.instructure.com/courses/139/assignments/6490)
	 MW306-022 - Name the blood type which is termed the “universal donor” and why. (https://ncm.instructure.com/courses/139/assignments/6491)
	 MW306-023 - Name which pregnant people are candidates for Rhogam and when it should be offered. (https://ncm.instructure.com/courses/139/assignments/6492)
	 MW306-024 - Name the cancer-screening test that should be done in early

Date	Details
	pregnancy and the most common method for collecting the sample required for this test. (https://ncm.instructure.com/courses/139/assignments/6493)
	 MW306-025 - List the indications for HPV screening and typing and explain the connection between HPV and cervical cancer. (https://ncm.instructure.com/courses/139/assignments/6494)
	 MW306-026 - List the signs and symptoms of bacterial vaginosis and yeast infections. Discuss the different tests used to confirm these conditions. (https://ncm.instructure.com/courses/139/assignments/6495)
	 MW306-027 - Explain the rationale for performing a gestational diabetes screen and when it should be offered. (https://ncm.instructure.com/courses/139/assignments/6496)
	 MW306-028 - Describe at least three different tests that can be used to screen for gestational diabetes and the relative accuracy of each test. (https://ncm.instructure.com/courses/139/assignments/6497)
	 MW306-029 - Discuss the tests and their results that may result in a positive diagnosis of preeclampsia. (https://ncm.instructure.com/courses/139/assignments/6498)
	 MW306-030 - Name the appropriate time to test for Group B strep and the methods for obtaining a test sample. (https://ncm.instructure.com/courses/139/assignments/6499)
	 MW306-031 - Discuss at least 2 ways to assess whether the membranes have ruptured. Include the importance of aseptic technique in any assessment techniques. (https://ncm.instructure.com/courses/139/assignments/6500)
	 MW306-032 - List 2 biochemical markers that may indicate an increased risk for preterm labor. (https://ncm.instructure.com/courses/139/assignments/6501)
	 Non-Stress Test (https://ncm.instructure.com/courses/139/assignments/11178)
	 Optional NARM Like Exam (https://ncm.instructure.com/courses/139/assignments/11253)
	 Optional: Create a Set of Flashcards to Study for the NARM Exam (https://ncm.instructure.com/courses/139/assignments/15194)
	 Prenatal Testing (https://ncm.instructure.com/courses/139/assignments/9249)
	 Prenatal Testing Case Study (https://ncm.instructure.com/courses/139/assignments/9257)
	 Routine Urine Dips (https://ncm.instructure.com/courses/139/assignments/9255)
	 Student Evaluation of Course and Instructor (https://ncm.instructure.com/courses/139/assignments/6503)
	 TORCH Test (https://ncm.instructure.com/courses/139/assignments/9121)
	 Updated Knowledge and Technology (https://ncm.instructure.com/courses/139/assignments/6513)