

# Course Syllabus

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**Course Code: MW 364**

**Course Title: Newborn Complications**

**Credits: 1.0**

**Course Description:** This course covers the identification, assessment, and understanding of neonatal problems and abnormalities. Neonatal complications such as pathological jaundice, neonatal infection and congenital defects are covered in detail with emphasis placed on an understanding of underlying causes.

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**

Newborn Courses

Read, listen to, watch assigned lesson materials.

Submit a written summary of current research.

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

Identify and cite high-quality sources.

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

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

Create an infographic, handout, and/or community resource.

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:**

1. Thureen, et al. Assessment and Care of the well newborn. 2nd ed. Elsevier Saunders. 2004.
2. Cunningham, Kenneth Leveno, Steven Bloom, and John Hauth. William's Obstetrics. 24th edition. McGraw-Hill Professional. 2014.
3. Marshall, Jayne E, Raynor, Maureen D(editor). Myles Textbook for Midwives. Churchill Livingstone; 16 edition. 2014.
4. Varney, Helen. Varney's Midwifery, 5th Edition. Jones and Bartlett Publishers. 2014.
5. Tharpe, Nell and Farley, Cindy. Clinical Practice Guidelines for Midwifery and Women's Health. 4th edition. Jones and Bartlett Publishing. 2012
6. Weaver, Pam and Evans, Sharon K. Practical Skills Guide for Midwifery, 5th Edition. Morningstar Publishing Co. Wasilla. 2012.
7. MEAC Abbreviated NARM Skills Form:  
<http://www.midwiferycollege.org/AcademicProgram/Downloads/ASM/Clinical/FormNARMSkills.pdf>  
(<http://www.midwiferycollege.org/AcademicProgram/Downloads/ASM/Clinical/FormNARMSkills.pdf>)
8. MEAC Essential Competencies:  
<http://www.midwiferycollege.org/downloads/worddocs/Curriculum-Checklist-of-EssentialCompetencies-rev-2014.pdf> \_(<http://www.midwiferycollege.org/downloads/worddocs/Curriculum-Checklist-of-EssentialCompetencies-rev-2014.pdf>)\_
9. Midwives Model of Care®: <http://cfmidwifery.org/mmoc/brochures.aspx>  
(<http://cfmidwifery.org/mmoc/brochures.aspx>)
10. Students must find 1 article/study less than 5 years old. Recommended internet links as needed for latest developments in midwifery care:  
<https://www.midwiferycollege.edu/resources-national-college-of-midwi>  
(<https://www.midwiferycollege.edu/resources-national-college-of-midwi>)

### **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









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












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	 <a href="https://ncm.instructure.com/calendar?event_id=151&amp;include_contexts=course_181">Office Hours (https://ncm.instructure.com/calendar?event_id=151&amp;include_contexts=course_181)</a> 8am to 9am
	 <a href="https://ncm.instructure.com/courses/181/assignments/10423">A Note on Community Building Activities (https://ncm.instructure.com/courses/181/assignments/10423)</a>
	 <a href="https://ncm.instructure.com/courses/181/assignments/10419">A-2 NICU (https://ncm.instructure.com/courses/181/assignments/10419)</a>
	 <a href="https://ncm.instructure.com/courses/181/assignments/10424">Exams and Quizzes (https://ncm.instructure.com/courses/181/assignments/10424)</a>
	 <a href="https://ncm.instructure.com/courses/181/assignments/13496">Highly Recommended Optional Enrichment Activities (https://ncm.instructure.com/courses/181/assignments/13496)</a>
	 <a href="https://ncm.instructure.com/courses/181/assignments/10425">Journal Article Summary (https://ncm.instructure.com/courses/181/assignments/10425)</a>
	 <a href="https://ncm.instructure.com/courses/181/assignments/10343">MW364-001 - Describe the special management that may be needed by a newborn born as a twin. (https://ncm.instructure.com/courses/181/assignments/10343)</a>
	 <a href="https://ncm.instructure.com/courses/181/assignments/10344">MW364-002 - Briefly describe the physiology of twin-to-twin transfusion. (https://ncm.instructure.com/courses/181/assignments/10344)</a>

















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	<b>MW364-003 - Describe the signs and symptoms of Rh isoimmunization in the newborn.</b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10345">https://ncm.instructure.com/courses/181/assignments/10345</a> )
	 <b>MW364-004 - Describe what special care is needed by newborns born to Rh sensitized mothers.</b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10346">https://ncm.instructure.com/courses/181/assignments/10346</a> )
	 <b>MW364-005 - Discuss the neonatal problems faced by preterm infants born between 30 and 34 weeks gestation.</b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10347">https://ncm.instructure.com/courses/181/assignments/10347</a> )
	 <b>MW364-006 - Discuss the neonatal problems faced by preterm infants born after 34 weeks.</b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10348">https://ncm.instructure.com/courses/181/assignments/10348</a> )
	 <b>MW364-007 - Discuss problems that can arise for infants that are born post-dates.</b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10349">https://ncm.instructure.com/courses/181/assignments/10349</a> )
	 <b>MW364-008 - Discuss the why infants that are large for gestational age are more likely to sustain traumatic birth injuries.</b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10350">https://ncm.instructure.com/courses/181/assignments/10350</a> )
	 <b>MW364-009 - Describe the neonatal problems that can arise for babies that are born large for gestational age.</b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10351">https://ncm.instructure.com/courses/181/assignments/10351</a> )
	 <b>MW364-010 - Discuss the underlying causes that can lead to the birth of a baby that is small for gestational age (SGA).</b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10352">https://ncm.instructure.com/courses/181/assignments/10352</a> )
	 <b>MW364-011 - Discuss the complications that can arise for SGA during the newborn period.</b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10353">https://ncm.instructure.com/courses/181/assignments/10353</a> )
	 <b>MW364-012 - Discuss the long term outcomes for infants that are born SGA.</b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10354">https://ncm.instructure.com/courses/181/assignments/10354</a> )
	 <b>MW364-013 - Describe the clinical presentation of a neonate with Group B strep infection.</b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10355">https://ncm.instructure.com/courses/181/assignments/10355</a> )
	 <b>MW364-014 - Describe the clinical presentation of a neonate with Chlamydia infection.</b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10356">https://ncm.instructure.com/courses/181/assignments/10356</a> )
	 <b>MW364-015 - Describe the clinical presentation of a neonate with Gonorrhea infection.</b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10357">https://ncm.instructure.com/courses/181/assignments/10357</a> )
	 <b>MW364-016 - Describe the clinical presentation of a neonate with congenital syphilis infection.</b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10358">https://ncm.instructure.com/courses/181/assignments/10358</a> )
	 <b>MW364-017 - Describe the clinical presentation of a neonate with congenital tuberculosis.</b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10359">https://ncm.instructure.com/courses/181/assignments/10359</a> )
	 <b>MW364-018 - Describe the signs and symptoms displayed by infants with RDS.</b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10360">https://ncm.instructure.com/courses/181/assignments/10360</a> )
	 <b>MW364-019 - Describe the common underlying causes of respiratory distress syndrome.</b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10361">https://ncm.instructure.com/courses/181/assignments/10361</a> )
	 <b>MW364-020 - Describe the clinical presentation of neonatal meconium aspiration.</b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10362">https://ncm.instructure.com/courses/181/assignments/10362</a> )
	 <b>MW364-021 - Describe the physiology of why meconium aspiration is</b>

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	<b><u>dangerous to neonatal respiratory system.</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10363">https://ncm.instructure.com/courses/181/assignments/10363</a> )
	<b><u>MW364-022 - Describe the signs and symptoms displayed by infants with a pneumothorax.</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10364">https://ncm.instructure.com/courses/181/assignments/10364</a> )
	<b><u>MW364-023 - How can a pneumothorax be identified in an infant that is does not display respiratory distress?</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10365">https://ncm.instructure.com/courses/181/assignments/10365</a> )
	<b><u>MW364-024 - Describe the management of an infant with upper airway obstruction.</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10366">https://ncm.instructure.com/courses/181/assignments/10366</a> )
	<b><u>MW364-025 - Describe the symptoms and management of an infant with diaphragmatic hernia.</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10367">https://ncm.instructure.com/courses/181/assignments/10367</a> )
	<b><u>MW364-026 - Describe the various types of seizure activity that may be observed in the neonate.</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10368">https://ncm.instructure.com/courses/181/assignments/10368</a> )
	<b><u>MW364-027 - Describe the underlying causes for neonatal seizures.</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10369">https://ncm.instructure.com/courses/181/assignments/10369</a> )
	<b><u>MW364-028 - Describe the signs and symptoms of pathological jaundice.</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10370">https://ncm.instructure.com/courses/181/assignments/10370</a> )
	<b><u>MW364-029 - Describe the underlying causes for pathological jaundice.</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10371">https://ncm.instructure.com/courses/181/assignments/10371</a> )
	<b><u>MW364-030 - Describe the signs and symptoms of congenital heart defects in the newborn.</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10372">https://ncm.instructure.com/courses/181/assignments/10372</a> )
	<b><u>MW364-031 - Describe the factors that contribute to congenital heart defects in the newborn.</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10373">https://ncm.instructure.com/courses/181/assignments/10373</a> )
	<b><u>MW364-032 - Describe the signs and symptoms of an infant with intestinal obstruction.</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10374">https://ncm.instructure.com/courses/181/assignments/10374</a> )
	<b><u>MW364-033 - Describe how to identify an infant with imperforate anus.</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10375">https://ncm.instructure.com/courses/181/assignments/10375</a> )
	<b><u>MW364-034 - Describe the signs and symptoms exhibited by infants with hirschsprung's disease.</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10376">https://ncm.instructure.com/courses/181/assignments/10376</a> )
	<b><u>MW364-035 - Discuss the signs and symptoms exhibited by infants with meconium ileus.</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10377">https://ncm.instructure.com/courses/181/assignments/10377</a> )
	<b><u>MW364-036 - Discuss the underlying cause of meconium ileus.</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10378">https://ncm.instructure.com/courses/181/assignments/10378</a> )
	<b><u>MW364-037 - Describe the signs of a neural tube defect at birth.</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10379">https://ncm.instructure.com/courses/181/assignments/10379</a> )
	<b><u>MW364-038 - What are the underlying causes of neural tube defects?</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10380">https://ncm.instructure.com/courses/181/assignments/10380</a> )













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-  **MW364-039 - Describe the signs and symptoms of hydrocephalus.**  
(<https://ncm.instructure.com/courses/181/assignments/10381>)
- 
-  **MW364-040 - Describe the physiology of how hydrocephalus occurs.**  
(<https://ncm.instructure.com/courses/181/assignments/10382>)
- 
-  **MW364-041 - Describe the signs and symptoms displayed by infants that are undergoing withdrawal from narcotics.**  
(<https://ncm.instructure.com/courses/181/assignments/10383>)
- 
-  **MW364-042 - Describe the signs and symptoms displayed by infants that are undergoing withdrawal from cocaine and amphetamines.**  
(<https://ncm.instructure.com/courses/181/assignments/10384>)
- 
-  **MW364-043 - Describe the signs and symptoms of fetal alcohol syndrome.**  
(<https://ncm.instructure.com/courses/181/assignments/10385>)
- 
-  **MW364-044 - Describe the defects that are most commonly associated with fetal alcohol syndrome.**  
(<https://ncm.instructure.com/courses/181/assignments/10386>)
- 
-  **MW364-045 - Describe the signs and symptoms of hydrops fetalis.**  
(<https://ncm.instructure.com/courses/181/assignments/10387>)
- 
-  **MW364-046 - Describe the underlying causes of hydrops fetalis.**  
(<https://ncm.instructure.com/courses/181/assignments/10388>)
- 
-  **MW364-047 - Describe the signs and symptoms of developmental hip dysplasia.** (<https://ncm.instructure.com/courses/181/assignments/10389>)
- 
-  **MW364-048 - What are the underlying causes of hip dysplasia?**  
(<https://ncm.instructure.com/courses/181/assignments/10390>)
- 
-  **MW364-049 - Describe the signs of club foot (talipes).**  
(<https://ncm.instructure.com/courses/181/assignments/10391>)
- 
-  **MW364-050 - Discuss the underlying causes of club foot.**  
(<https://ncm.instructure.com/courses/181/assignments/10392>)
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-  **MW364-051 - Discuss the physiology of a cleft lip and/or palate.**  
(<https://ncm.instructure.com/courses/181/assignments/10393>)
- 
-  **MW364-052 - Discuss the underlying causes of cleft lip and/or palate.**  
(<https://ncm.instructure.com/courses/181/assignments/10394>)
- 
-  **MW364-053 - Discuss the physical characteristics associated with a neonate with Down's syndrome.**  
(<https://ncm.instructure.com/courses/181/assignments/10395>)
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-  **MW364-054 - Discuss the management of infants born with atypical genitalia. What factors should be taken into consideration?**  
(<https://ncm.instructure.com/courses/181/assignments/10396>)
- 
-  **MW364-055 - Describe the most common presentations of atypical genitalia.**  
(<https://ncm.instructure.com/courses/181/assignments/10397>)
- 
-  **MW364-056 - Describe the presentation of omphalocele.**  
(<https://ncm.instructure.com/courses/181/assignments/10398>)
-

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	 <b>MW364-057 - What are the underlying causes of an omphalocele?</b> <a href="https://ncm.instructure.com/courses/181/assignments/10399">https://ncm.instructure.com/courses/181/assignments/10399</a>
	 <b>MW364-058 - What is the presentation of a limb reductions anomaly in the neonate?</b> <a href="https://ncm.instructure.com/courses/181/assignments/10400">https://ncm.instructure.com/courses/181/assignments/10400</a>
	 <b>MW364-059 - What is most likely the underlying cause of a limb reduction anomaly in the neonate?</b> <a href="https://ncm.instructure.com/courses/181/assignments/10401">https://ncm.instructure.com/courses/181/assignments/10401</a>
	 <b>MW364-060 - Describe the signs of hypospadias in the newborn.</b> <a href="https://ncm.instructure.com/courses/181/assignments/10402">https://ncm.instructure.com/courses/181/assignments/10402</a>
	 <b>MW364-061 - What are the underlying causes of hypospadias in the neonate?</b> <a href="https://ncm.instructure.com/courses/181/assignments/10403">https://ncm.instructure.com/courses/181/assignments/10403</a>
	 <b>MW364-062 - List the signs and symptoms, indications for referral or transfer for newborn hypoxia.</b> <a href="https://ncm.instructure.com/courses/181/assignments/10404">https://ncm.instructure.com/courses/181/assignments/10404</a>
	 <b>MW364-063 - List the signs and symptoms, indications for referral or transfer for newborn hematoma.</b> <a href="https://ncm.instructure.com/courses/181/assignments/10405">https://ncm.instructure.com/courses/181/assignments/10405</a>
	 <b>MW364-064 - List the signs and symptoms, indications for referral or transfer for newborn molding of the fetal skull.</b> <a href="https://ncm.instructure.com/courses/181/assignments/10406">https://ncm.instructure.com/courses/181/assignments/10406</a>
	 <b>MW364-065 - List the signs and symptoms, indications for referral or transfer for a broken clavical by midwife during a shoulder dystocia.</b> <a href="https://ncm.instructure.com/courses/181/assignments/10407">https://ncm.instructure.com/courses/181/assignments/10407</a>
	 <b>MW364-066 - List indications for referral, transfer, or mandated reporting for suspicious bruising discovered at a routine postpartum visit.</b> <a href="https://ncm.instructure.com/courses/181/assignments/10408">https://ncm.instructure.com/courses/181/assignments/10408</a>
	 <b>MW364-067 - List the signs and symptoms, indications for referral or transfer for newborn hemangioma.</b> <a href="https://ncm.instructure.com/courses/181/assignments/10409">https://ncm.instructure.com/courses/181/assignments/10409</a>
	 <b>MW364-068 - List the signs and symptoms, indications for referral or transfer for newborn hypothermia.</b> <a href="https://ncm.instructure.com/courses/181/assignments/10410">https://ncm.instructure.com/courses/181/assignments/10410</a>
	 <b>MW364-069 - What are the beginning emergency measures for hypothermia?</b> <a href="https://ncm.instructure.com/courses/181/assignments/10411">https://ncm.instructure.com/courses/181/assignments/10411</a>
	 <b>MW364-070 - List the signs and symptoms, indications for referral or transfer for newborn hyperthermia.</b> <a href="https://ncm.instructure.com/courses/181/assignments/10412">https://ncm.instructure.com/courses/181/assignments/10412</a>
	 <b>MW364-071 - What are the beginning emergency measures for hyperthermia?</b> <a href="https://ncm.instructure.com/courses/181/assignments/10413">https://ncm.instructure.com/courses/181/assignments/10413</a>
	 <b>MW364-072 - List the signs and symptoms, indications for referral or transfer for newborn dehydration.</b> <a href="https://ncm.instructure.com/courses/181/assignments/10414">https://ncm.instructure.com/courses/181/assignments/10414</a>



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	 <b><u>MW364-073 - List the signs and symptoms, indications for referral or transfer for newborn infection.</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10415">https://ncm.instructure.com/courses/181/assignments/10415</a> )
	 <b><u>MW364-074 - List the signs and symptoms, indications for referral or transfer for newborn failure to thrive.</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10416">https://ncm.instructure.com/courses/181/assignments/10416</a> )
	 <b><u>MW364-075 - List the signs and symptoms, indications for referral or transfer for newborn vitamin k deficiency bleeding.</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10417">https://ncm.instructure.com/courses/181/assignments/10417</a> )
	 <b><u>MW364-076 - List the signs and symptoms, indications for referral or transfer for newborn polycythemia.</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10418">https://ncm.instructure.com/courses/181/assignments/10418</a> )
	 <b><u>Optional NARM Like Exam</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10422">https://ncm.instructure.com/courses/181/assignments/10422</a> )
	 <b><u>Optional: Create a Set of Flashcards to Study for the NARM Exam</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/15214">https://ncm.instructure.com/courses/181/assignments/15214</a> )
	 <b><u>RDS</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/11303">https://ncm.instructure.com/courses/181/assignments/11303</a> )
	 <b><u>Room vs Pressurized O2</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/13048">https://ncm.instructure.com/courses/181/assignments/13048</a> )
	 <b><u>Special Belly Buttons</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/13497">https://ncm.instructure.com/courses/181/assignments/13497</a> )
	 <b><u>Spinal Complications</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/15031">https://ncm.instructure.com/courses/181/assignments/15031</a> )
	 <b><u>Student Evaluation of Course and Instructor</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10421">https://ncm.instructure.com/courses/181/assignments/10421</a> )
	 <b><u>Updated Knowledge and Technology</u></b> ( <a href="https://ncm.instructure.com/courses/181/assignments/10427">https://ncm.instructure.com/courses/181/assignments/10427</a> )