

Course Syllabus

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Course Code: MW 345

Course Title: Postpartum Pharmacology

Credits: 0.5

Course Description:

This course covers pharmacology relating to common problems that arise during the postpartum period. Many pharmaceuticals are covered including the uses of RhoGAM, Pitocin, methergine, rubella vaccine, antibiotics, iron, and herbal or homeopathic remedies for the relief of common postpartum complications and discomforts.

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

Postpartum 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.

Analyze a case study.

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:

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

1. **Hale, Thomas. Medications and Mothers milk. 17h edition. Hale Publishing. 2017.**
(https://www.worldcat.org/title/medications-and-mothers-milk-2017/oclc/1050026505/editions?sd=desc&referer=br&se=yr&qt=facet_yr%3A&editionsView=true&fq=yr%3A2017)
2. **Manning, Loretta. Pharmacology Made Insanely Easy. 5th edition. ICAN Publishing, Inc. 2017.**
(https://www.worldcat.org/title/pharmacology-made-insanely-easy/oclc/1003149842/editions?referer=di&sd=desc&se=yr&qt=facet_yr%3A&editionsView=true&fq=yr%3A2017)
3. **Perko, Sandra. The Modern Pregnant Woman and Her Infant - A Therapeutic Practice Guidebook for Midwives, Physicians, and Practitioners. Benchmark Homeopathic Publications. 2008.** (https://www.amazon.com/s?k=The+Modern+Pregnant+Woman+and+Her+Infant+-+A+Therapeutic+Practice+Guidebook+for+Midwives%2C+Physicians%2C+and+Practitioners.&ref=nb_sb)
4. **Grossberg, George T. and Fox, Barry. The Essential Herb-Drug-Vitamin Interaction Guide: The Safe Way to Use Medications and Supplements Together. 1st edition. Broadway. 2007.**
(<https://www.worldcat.org/title/essential-herb-drug-vitamin-interaction-guide-the-safe-way-to-use-medications-and-supplements-together/oclc/908635841/editions?editionsView=true&referer=br>)
5. **Skidmore-Roth, Linda. Mosby's Handbook of Herbs & Natural Supplements. 4th Edition. Mosby. 2009.** (<https://www.worldcat.org/title/mosbys-handbook-of-herbs-natural-supplements/oclc/857590385/editions?referer=di&editionsView=true>)
6. **Tatro, David S. Drug Interaction Facts 2015. Lippincott Williams & Wilkins. 2014.**
(<https://www.worldcat.org/title/drug-interaction-facts-2015-the-authority-on-drug-interactions/oclc/917873183/editions?referer=di&editionsView=true>)
7. **Davis, Elizabeth. Heart and Hands: A midwife's guide to pregnancy and birth. Celestial Arts Press. 2012.** (<http://www.worldcat.org/title/heart-hands-a-midwives-guide-to-pregnancy-and->

1. <https://www.worldcat.org/title/homeopathic-medicines-for-pregnancy-and-childbirth/oclc/754714041/editions?editionsView=true&referer=br>)
8. The following books are older and optional, but are still very useful:
9. **Moscowitz, Richard. Homeopathic Medicines for Pregnancy and Childbirth. North Atlantic Books. 1993.** (<https://www.worldcat.org/title/homeopathic-medicines-for-pregnancy-and-childbirth/oclc/31756493?referer=br&ht=edition>)
10. **Hoffman, David. The Holistic Herbal: A Safe and Practical Guide to Making and Using Herbal Remedies. Thorsons. 2003.** (<https://www.worldcat.org/title/holistic-herbal-a-safe-and-practical-guide-to-making-and-using-herbal-remedies/oclc/884238643/editions?referer=di&editionsView=true>)
11. **Weed, Susan. Wise woman herbal for the childbearing year. Ashtree publishing. 1987.** (<https://www.worldcat.org/title/wise-woman-herbal-for-the-childbearing-year/oclc/34631046/editions?editionsView=true&referer=br>)
12. **Tisserand, R., and Balacs, T. Essential Oil Safety: A Guide for Health Care Professionals. 1 edition. Churchill Livingstone. 1995.** (https://www.worldcat.org/title/essential-oil-safety-a-guide-for-health-care-professionals/oclc/951387603/editions?sd=desc&referer=di&se=yr&qt=facet_yr%3A&editionsView=true&fq=yr%3A1995)
13. Articles for latest developments in herbs and homeopathy may be found in The Herb Quarterly
14. **MEAC Abbreviated NARM Skills Form**
15. **MEAC Core Competencies for Midwives** (<http://meacschools.org/wp-content/uploads/2014/12/Curriculum-Checklist-of-Essential-Competencies-rev-2014.pdf>)
16. **Midwives Model of Care®** (<https://www.citizensformidwifery.org/mmoc>)
17. Help Evaluating Articles (visit the digital library)
18. Citation Guidance (visit the digital library)
19. 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/14PvaiDU4MJEKRZZiUORFhNBEDL_KFaZzATPkDviiQYzA/edit?








[usp=sharing](#)) is the basis for a "completed" score earned on all assignments which are allowed to be completed in community with the student's active 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.







Course Summary:









Date	Details
	 <u>Highly Recommended Optional Enrichment Activities</u> https://ncm.instructure.com/courses/667/assignments/26966
	 <u>Journal Article Summary</u> https://ncm.instructure.com/courses/667/assignments/26967
	 <u>MW345-001 - Discuss the clinical pharmacology of RhoGAM. What are its indications and use postpartum?</u> https://ncm.instructure.com/courses/667/assignments/26969
	 <u>MW345-002 - What are the contraindications of RhoGAM? What adverse reactions may be associated with it?</u> https://ncm.instructure.com/courses/667/assignments/26977
	 <u>MW345-003 - What is the dosage of RhoGAM and how is it administrated postpartum?</u> https://ncm.instructure.com/courses/667/assignments/26984
	 <u>MW345-004 - Name the substances that can be used to relieve postpartum cramping. Give the indications for each, the possible adverse reactions to each, the dosage and administration for each.</u> https://ncm.instructure.com/courses/667/assignments/26988

Date	Details
	<p> <u>MW345-005 - Discuss the clinical pharmacology of Rubella vaccine. What are the indications for its use postpartum? What are the contraindications of the Rubella vaccine and what adverse reactions may be associated with it?</u> (https://ncm.instructure.com/courses/667/assignments/26991)</p>
	<p> <u>MW345-006 - What is the dosage and route of administration for the Rubella vaccine?</u> (https://ncm.instructure.com/courses/667/assignments/26994)</p>
	<p> <u>MW345-007 - Name two antibiotics for postpartum infections that are considered "safe" for the breastfeeding mother. Give clinical pharmacology of each, the indications for use.</u> (https://ncm.instructure.com/courses/667/assignments/26998)</p>
	<p> <u>MW345-008 - What are the contraindications, and adverse reactions associated with the above antibiotics?</u> (https://ncm.instructure.com/courses/667/assignments/27003)</p>
	<p> <u>MW345-009 - What is the dosage and route of administration for each of the above antibiotics?</u> (https://ncm.instructure.com/courses/667/assignments/27014)</p>
	<p> <u>MW345-010 - Discuss the use of lidocaine postpartum. What is the appropriate dosage and how is it administered?</u> (https://ncm.instructure.com/courses/667/assignments/27016)</p>
	<p> <u>MW345-011 - What are contraindications of lidocaine and what adverse reactions are associated with its use?</u> (https://ncm.instructure.com/courses/667/assignments/27019)</p>

Date	Details
	<p> MW345-012 - Describe the pharmacology of using oxytocic drugs in the management of postpartum hemorrhage. What is the appropriate dosage and administration route of these drugs? (https://ncm.instructure.com/courses/667/assignments/27022)</p> <hr/>
	<p> MW345-013 - What are the adverse reactions associated with the use of oxytocic drugs and what are the contraindications of its use? (https://ncm.instructure.com/courses/667/assignments/27025)</p> <hr/>
	<p> MW345-014 - Describe the pharmacology of Methergine (Methylergonovine) in the management of postpartum bleeding. What is the appropriate dosage and administration route of these drugs? (https://ncm.instructure.com/courses/667/assignments/27028)</p> <hr/>
	<p> MW345-015 - What are the adverse reactions associated with the use of methergine and what are the contraindications of its use? (https://ncm.instructure.com/courses/667/assignments/27031)</p> <hr/>
	<p> MW345-016 - Describe the difference in the use of methergine for immediate postpartum hemorrhage versus delayed postpartum hemorrhage. (https://ncm.instructure.com/courses/667/assignments/27034)</p> <hr/>
	<p> MW345-017 - Describe the clinical pharmacology of using Cytotec (misoprostol) for management of immediate postpartum hemorrhage. What is the appropriate dosage and administration route of this drug? (https://ncm.instructure.com/courses/667/assignments/27036)</p> <hr/>

Date	Details
	<p> MW345-018 - What are the adverse reactions associated with the use of Cytotec (misoprostol) and what are the contraindications of its use? (https://ncm.instructure.com/courses/667/assignments/27039)</p> <hr/>
	<p> MW345-019 - Discuss the use of medical oxygen postpartum. What is the appropriate dosage and administration route of this drug? (https://ncm.instructure.com/courses/667/assignments/27042)</p> <hr/>
	<p> MW345-020 - Explain the situations when an IV solution is used postpartum. Give the rationale for choosing the solution, drip-rate and total volume to be infused for each condition. (https://ncm.instructure.com/courses/667/assignments/27044)</p> <hr/>
	<p> MW345-021 - What are the adverse reactions associated with the use of IV fluids and what are the contraindications of its use? (https://ncm.instructure.com/courses/667/assignments/27047)</p> <hr/>
	<p> MW345-022 - Discuss two herbs that are used in the treatment of immediate postpartum bleeding. Include what preparations are used, how they are administered, and what contraindicates their use. (https://ncm.instructure.com/courses/667/assignments/27050)</p> <hr/>
	<p> MW345-023 - Discuss two homeopathic remedies that are used to treat postpartum bleeding. Include what potency is used and which symptoms are specific to the use of each remedy. (https://ncm.instructure.com/courses/667/assignments/27053)</p> <hr/>

Date	Details
	<p> <u>MW345-024 - Discuss two herbal remedies that are used in the treatment of a retained placenta, placental fragments or membranes. Include what preparations are used, how they are administered, and what contraindicates their use.</u> (https://ncm.instructure.com/courses/667/assignments/27055)</p>
	<p> <u>MW345-025 - Discuss herbal remedies that can be used in the treatment of impending shock.</u> (https://ncm.instructure.com/courses/667/assignments/27060)</p>
	<p> <u>MW345-026 - Discuss herbal support for the healing of lacerations from birth. What herbs are useful in the process? How can they be administered?</u> (https://ncm.instructure.com/courses/667/assignments/27061)</p>
	<p> <u>MW345-027 - Discuss two herbal remedies for after-pains. Include what preparations are used, how they are administered, and what contraindicates their use.</u> (https://ncm.instructure.com/courses/667/assignments/27068)</p>
	<p> <u>MW345-028 - Discuss two herbal galactagogues. Include what preparations are used, how they are administered, and what contraindicates their use.</u> (https://ncm.instructure.com/courses/667/assignments/27075)</p>
	<p> <u>MW345-029 - Discuss two pharmacologic galactagogues that are currently being used--domperidone and Reglan (metoclopramide,) how they are administered, dosage, and side effects.</u> (https://ncm.instructure.com/courses/667/assignments/27079)</p>

Date	Details
	 <u>MW345-030 - Discuss two herbal or homeopathic remedies for the treatment of engorgement. Include what preparations are used, how they are administered, and what contraindicates their use.</u> (https://ncm.instructure.com/courses/667/assignments/27083)
	 <u>MW345-031 - Discuss two herbal or homeopathic remedies for the treatment of sore nipples. Include what preparations are used, how they are administered, and what contraindicates their use.</u> (https://ncm.instructure.com/courses/667/assignments/27087)
	 <u>MW345-032 - Discuss iron supplementation postpartum. Include the pharmacology of iron supplements that are on the market and what contraindications may exist in their use during breastfeeding.</u> (https://ncm.instructure.com/courses/667/assignments/27091)
	 <u>Optional: Create a Set of Flashcards to Study for the NARM Exam</u> (https://ncm.instructure.com/courses/667/assignments/27094)
	 <u>Postpartum Hemorrhage</u> (https://ncm.instructure.com/courses/667/assignments/27095)
	 <u>Postpartum Pharmacology Multiple Attempts</u> (https://ncm.instructure.com/courses/667/assignments/27177)
	 <u>Role Play Administering Medications</u> (https://ncm.instructure.com/courses/667/assignments/27097)
	 <u>Updated Knowledge and Technology</u> (https://ncm.instructure.com/courses/667/assignments/27098)