

Course Syllabus

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Course Code: MW 320

Course Title: Intrapartum IV Therapy

Credits: 0.0

Course Description: This course covers the indications for IV therapy in labor and delivery, procedures for establishing, administering, and discontinuing an intravenous catheter and fluids as well as aseptic technique. Risks and complications of IV insertion and transfusion of fluids are also covered. This course is meant to cover all of the information that is provided in an IV certification class. A course with supervision by a certified IV therapy instructor may also be submitted in lieu of this course.

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

Intrapartum 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.

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

1. Gilmore, Elizabeth. [Theory and Practice of IVs for Midwives Practicing Out of Hospital](#) . 1st NCM Publishing. 2009.
2. Tharpe, Nell and Farley, Cindy. [Clinical practice guidelines for midwifery and women's health](#). 5th ed. Jones and Bartlett publishers. 2016
3. Johnson, Ruth and Taylor, Wendy. [Skills for Midwifery Practice](#). 4th edition. Elsevier Churchill Livingston. 2016.
4. Weaver, Pam and Evans, Sharon K. [Practical Skills Guide for Midwifery](#), 5th Morningstar Publishing Co. Wasilla. 2012.

Resources for all Courses:

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>)

MEAC Essential Competencies: <http://www.midwiferycollege.org/downloads/worddocs/Curriculum-Checklist-of-Essential-Competencies-rev-2014.pdf>
(<http://www.midwiferycollege.org/downloads/worddocs/Curriculum-Checklist-of-Essential-Competencies-rev-2014.pdf>)

Midwives Model of Care®: <http://cfmidwifery.org/mmoc/brochures.aspx>
(<http://cfmidwifery.org/mmoc/brochures.aspx>)

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 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=165&include_contexts=course_195) 8am to 9am
	 A Note on Community Building Activities (https://ncm.instructure.com/courses/195/assignments/11244)
	 Exams and Quizzes (https://ncm.instructure.com/courses/195/assignments/11245)
	 Highly Recommended Optional Enrichment Activities (https://ncm.instructure.com/courses/195/assignments/13485)
	 How to Start and IV (https://ncm.instructure.com/courses/195/assignments/11312)
	 IV Tips and Tricks (https://ncm.instructure.com/courses/195/assignments/11313)
	 Journal Article Summary (https://ncm.instructure.com/courses/195/assignments/11246)

Date

Details

MW329 - 17. Describe how to maintain sterility when inserting the spike into the bottle or bag, adding venipuncture devices to tubing, performing venipuncture, adding medication, changing solutions, changing tubing, and awaiting a restart. (<https://ncm.instructure.com/courses/195/assignments/11196>)

MW329 - 19. Discuss the rationale for using distal veins first. Is there any time when you would use a more proximal vein, and if so, why? (<https://ncm.instructure.com/courses/195/assignments/11197>)

MW329 - 20. Discuss the rationale for using the arm less used by the patient for IV therapy. (<https://ncm.instructure.com/courses/195/assignments/11198>)

MW329 -21. Discuss the rationale for choosing a vein away from areas of flexion (e.g. wrist, elbow). (<https://ncm.instructure.com/courses/195/assignments/11199>)

MW329 -22. Discuss the rationale for using a large vein for IV therapy. (<https://ncm.instructure.com/courses/195/assignments/11200>)

MW329 -23. Discuss the rationale for avoiding the arm on the same side as surgery or injury. (<https://ncm.instructure.com/courses/195/assignments/11201>)

MW329 -24. Discuss the rationale for avoiding damaged veins (e.g. varicose veins, phlebotic veins, hard or "ropy" veins"). (<https://ncm.instructure.com/courses/195/assignments/11202>)

MW329 -25. Discuss the considerations in choosing the type and size of venipuncture device and why. (<https://ncm.instructure.com/courses/195/assignments/11203>)

MW329 -26. Describe all the elements you would include in an explanation to the patient about the need for and procedure for IV therapy and give your rationale for each. (<https://ncm.instructure.com/courses/195/assignments/11204>)

MW329 -27. Describe how a tourniquet is used to dilate the vein. What additional actions can be taken to dilate the vein and how do these increase vein dilation? (<https://ncm.instructure.com/courses/195/assignments/11205>)

MW329 -28. Discuss the purpose of hand washing before starting an IV (<https://ncm.instructure.com/courses/195/assignments/11206>)

MW329 -29. Describe the purpose of using non-sterile gloves when starting an IV (<https://ncm.instructure.com/courses/195/assignments/11207>)
















MW329 -30. Describe the steps and rationale for each in preparing the venipuncture site. (<https://ncm.instructure.com/courses/195/assignments/11208>)



















MW329 -31. Describe how you can "anchor" a vein to facilitate venipuncture and how these techniques facilitate venipuncture. (<https://ncm.instructure.com/courses/195/assignments/11209>)
















MW329 -32. Describe how the venipuncture device is held just prior to insertion and why. (<https://ncm.instructure.com/courses/195/assignments/11210>)



MW329 -33. Explain how you know the venipuncture device is in the vein. (<https://ncm.instructure.com/courses/195/assignments/11211>)

MW329 -34. Describe how the catheter is advanced into the vein and what is

Date	Details
	<u>the rationale.</u> (https://ncm.instructure.com/courses/195/assignments/11212)
	 MW329 -35. Explain when the tourniquet should be released and why. (https://ncm.instructure.com/courses/195/assignments/11213)
	 MW329 -36. Discuss how the tubing is attached to the venipuncture device. (https://ncm.instructure.com/courses/195/assignments/11214)
	 MW329 -37. Discuss how the fluid is run through the tube until the catheter is taped in place and why. (https://ncm.instructure.com/courses/195/assignments/11215)
	 MW329 -38. Discuss the goal for taping a venipuncture device in place. Give two examples of how this can be accomplished and the advantages of each. (https://ncm.instructure.com/courses/195/assignments/11216)
	 MW329 -39. Discuss the purpose of a sterile dressing at the venipuncture site and how this can be accomplished. (https://ncm.instructure.com/courses/195/assignments/11217)
	 MW329 -40. Describe the sequence for starting an IV infusion beginning with hand washing and ending with labeling the bottle. (https://ncm.instructure.com/courses/195/assignments/11218)
	 MW329 -41. Write the formula for setting the rate of flow. (https://ncm.instructure.com/courses/195/assignments/11219)
	 MW329 -42. If your protocol calls for 1000 ml to be infused over a 5-hour period, discuss how many gtts/minute you will need to run if you have tubing that is 10 gtts/ml. (https://ncm.instructure.com/courses/195/assignments/11220)
	 MW329 -43. Explain how the viscosity and temperature of the fluid affect the rate of infusion. (https://ncm.instructure.com/courses/195/assignments/11221)
	 MW329 -44. Explain how the height of the IV fluid container and the patient's position affect the rate of infusion. (https://ncm.instructure.com/courses/195/assignments/11222)
	 MW329 -45. Discuss the problems that can arise at the control clamp and how these are avoided or minimized. (https://ncm.instructure.com/courses/195/assignments/11223)
	 MW329 -46. Explain how the size, position, and condition of the venipuncture device affect flow rate and why. (https://ncm.instructure.com/courses/195/assignments/11224)
	 MW329 -47. Discuss how the following might affect flow rate and why: (https://ncm.instructure.com/courses/195/assignments/11225)
	 MW329 -48. Discuss how the patient or visitors might affect flow rate and how this can be prevented or corrected. (https://ncm.instructure.com/courses/195/assignments/11226)
	 MW329 -49. Name some causes of venospasm and how this might affect flow rate. How can this be corrected? (https://ncm.instructure.com/courses/195/assignments/11227)

Date	Details
	 MW329 -50. Explain the rationales for each of the following flow rate guidelines: (https://ncm.instructure.com/courses/195/assignments/11228)
	 MW329 -51. Explain when an immobilizing device is necessary. (https://ncm.instructure.com/courses/195/assignments/11229)
	 MW329 -52. Describe the steps for placing a device for immobilizing the wrist, the elbow. (https://ncm.instructure.com/courses/195/assignments/11230)
	 MW329 -53. Describe some complications, which can be caused by improper taping of an immobilizing device and how these can be avoided or corrected. (https://ncm.instructure.com/courses/195/assignments/11231)
	 MW329 -54. List the information that must be recorded and placed on the bag or bottle itself and why. (https://ncm.instructure.com/courses/195/assignments/11232)
	 MW329 -55. List the information that must be recorded in the chart and why. (https://ncm.instructure.com/courses/195/assignments/11233)
	 MW329 -56. Give the rationale for removing the tourniquet. (https://ncm.instructure.com/courses/195/assignments/11234)
	 MW329 -57. Give the rationale for (https://ncm.instructure.com/courses/195/assignments/11235)
	 MW329 -58. Give the rationale for the inclusion of each of the following items in an IV drug protocol. What information should be included under each heading? (https://ncm.instructure.com/courses/195/assignments/11236)
	 MW329 -59. Give the rationale for checking each of the following when administering a drug IV: (https://ncm.instructure.com/courses/195/assignments/11237)
	 MW329 -60. Give the rationale for the following when giving medications IV: (https://ncm.instructure.com/courses/195/assignments/11238)
	 MW329 -61. Discuss the rationale for labeling the bag with: (https://ncm.instructure.com/courses/195/assignments/11239)
	 MW329 -62. Discuss the purpose of administering a drug by adding it (https://ncm.instructure.com/courses/195/assignments/11240)
	 MW329 -63. Discuss the purposes of using an electrical pump, a regulating pump, or other mechanical regulating device for IV administration. (https://ncm.instructure.com/courses/195/assignments/11241)
	 MW329 -64. Discuss the complications that such a device can minimize. (https://ncm.instructure.com/courses/195/assignments/11242)
	 MW329- 01. Define IV Therapy. (https://ncm.instructure.com/courses/195/assignments/11180)
	 MW329- 02. Define transfusion therapy. (https://ncm.instructure.com/courses/195/assignments/11181)
	 MW329- 03. Name two reasons for using IVs in labor.

Date	Details
	https://ncm.instructure.com/courses/195/assignments/11182
	 MW329- 04. Discuss when and why IVs are routinely used in labor. Explain the differences in the uses for and give examples of hypotonic solution, isotonic solution, and hypertonic solution. https://ncm.instructure.com/courses/195/assignments/11183
	 MW329- 05. Explain the differences between saline, dextrose, and electrolyte solutions and what the uses are for each. https://ncm.instructure.com/courses/195/assignments/11184
	 MW329- 06. Explain how to differentiate between an artery and a vein. https://ncm.instructure.com/courses/195/assignments/11185
	 MW329- 07. Discuss the complications associated with arterial puncture and why. https://ncm.instructure.com/courses/195/assignments/11186
	 MW329- 08. List the objectives of IV therapy with the rationale for each. https://ncm.instructure.com/courses/195/assignments/11187
	 MW329- 09. Explain what should be checked for in the preinfusion patient assessment based on your doctor's orders or protocols and why. https://ncm.instructure.com/courses/195/assignments/11188
	 MW329- 10. Explain what should be checked for in the preinfusion assessment based on the patient's diagnosis and why. https://ncm.instructure.com/courses/195/assignments/11189
	 MW329- 11. Explain what should be checked for in the preinfusion assessment based on the patient's clinical condition and why. https://ncm.instructure.com/courses/195/assignments/11190
	 MW329- 12. Explain what should be checked for in the preinfusion assessment based on the purpose of the infusion and why. https://ncm.instructure.com/courses/195/assignments/11191
	 MW329- 13. Explain what should be checked for in the preinfusion assessment based on the patient's past history with infusion/transfusion and why. https://ncm.instructure.com/courses/195/assignments/11192
	 MW329- 14. Explain what should be checked for in the preinfusion assessment based on the patient's identification and why. https://ncm.instructure.com/courses/195/assignments/11193
	 MW329- 15. Describe sterile technique and its purpose as it relates to venipuncture. https://ncm.instructure.com/courses/195/assignments/11194
	 MW329- 16. Discuss how checking for fluid expiration date, continuity of container and tubing, continuity of packaging, particulates in the solution, and the presence of a vacuum are related to the prevention of infection. Give the rationale for each. https://ncm.instructure.com/courses/195/assignments/11195
	 Optional: Create a Set of Flashcards to Study for the NARM Exam https://ncm.instructure.com/courses/195/assignments/15206
	 Start and IV https://ncm.instructure.com/courses/195/assignments/11250

Date	Details
	<div data-bbox="454 90 500 128"></div> <div data-bbox="516 90 1079 128"><u>Student Evaluation of Course and Instructor</u></div> <div data-bbox="516 128 1224 159"><u>(https://ncm.instructure.com/courses/195/assignments/11249)</u></div>
	<div data-bbox="454 201 500 239"></div> <div data-bbox="516 189 985 224"><u>Updated Knowledge and Technology</u></div> <div data-bbox="516 224 1224 256"><u>(https://ncm.instructure.com/courses/195/assignments/11248)</u></div>