HEALTH ASSESSMENT FOR NURSE ANESTHESIA
NUR 880: 3 credits
Thursdays, 9:00am – 11:50 pm
A107/SIM Lab/Clinical
Summer 2015

Catalog Course Description: Advanced systematic focus on the health assessment of patients preparing for anesthesia, and integration of the anesthesia management plans.

Additional Course Description: Advanced assessment involves the collection of comprehensive subjective and objective data for practice as an Advanced Practice Nurse (APN) and eventually, after passing national certification, Family Nurse Practitioner (FNP). The student’s use of interviewing techniques, communication, interpersonal skills and psychomotor skills will be enhanced and refined.

Emphasis is placed on interpretation of data for the purpose of differentiating normal findings from variations from normal and recognizing actual and potential health problems. The problem-oriented system of organizing and recording data is covered. Course content includes discussion of the impact of the cultural diversity of patients and ethical issues related to the assessment process.

Course Objectives: At the completion of this course the student will be able to:
1. Demonstrate appropriate communication skills for data collection with varied populations.
2. Demonstrate comprehensive health history and pre-anesthetic physical assessment skills.
3. Discuss cultural variations when collecting assessment data.
4. Demonstrate comprehensive documentation of assessment data.

Additional Course Objectives: At the end of this course, students will:
1. Apply advanced therapeutic communication skills to data collection from individuals of culturally diverse backgrounds.
2. Conduct a comprehensive health history and physical examination that is age and gender appropriate.
3. Apply knowledge of age, gender, and culture variations when collecting health assessment data.
4. Differentiate normal, variations of normal and abnormal findings when collecting health assessment data that is age and gender appropriate with diagnostic reasoning.
5. Demonstrate advanced assessment skills in a simulation lab environment and community-based health care settings.
6. Conduct a problem focused health history and physical examination that is age, gender and culturally appropriate to the chief complaint and the patient.

Prerequisite: Acceptance into the Nurse Anesthesia Program

Standards and Documents: The curriculum is guided by the following documents:
2. The American Nurses Association Code of Ethics (http://www.nursingworld.org)
3. Scope and Standards for Nurse Anesthesia Practice
4. Code of Ethics for the Certified Registered Nurse Anesthetist
Course Faculty: Henry Talley, PhD, CRNA, MSN, MS, BA
Contact Information: Office: A119 Life Sciences Building
Office Phone: 517-355-8305
E-mail: henry.talley@hc.msu.edu
Office Hours: 7:30am – 2:00pm

Note: Times will try to be arranged to accommodate student schedules. Email is the best way to reach me. I check my email frequently and respond in a timely way.

Instruction:

a. Methodology:
   Independent study, classroom activities, lectures, assignments, internet assignments, self-evaluation, computer-aided instruction and student/faculty conferences, Computerized Digital Assignments in Shadow Health Simulation program.

This course is taught utilizing the Desire to Learn (D2L) web based education platform, assigned readings, on-campus workshops, and 40 hours of a precepted clinical experience. As adult learners, it is expected that students will do relevant reading and practice prior to the on-campus workshops and clinical experiences. Faculty directed readings and web links will be provided for specific content areas.

**Shadow Health Digital Clinical Experience™** The shadow health digital clinical experience (DCE) provides a dynamic, immersive experience designed to improve your skills and clinical reasoning through digital standardized patients. These Shadow Health assignments are completed throughout the course.

b. Required Texts:


Optional Texts:


c. Required Resources, References, Supplies:

   Help Desk
   1-800-500-1554 (24 hrs, 7 days/week)
   517-355-2345 (24 hrs, 7 days/week)
   Always check with the Help Desk first!

   **Shadow Health Support:** If at any time you have any questions or encounter any technical issues, Shadow Health has a dedicated team of helpful and
knowledgeable Learner Support specialists who will patiently assist you. Please visit the Learner Support page at http://support.shadowhealth.com for contact information and hours. You may email the Learner Support team directly at support@shadowhealth.com at any time.

Required equipment

Stethoscope, Lab Jacket, calculator, computer access, MS PowerPoint access, MS Word access.

Required Software: The Shadow Health™ Digital Clinical Experience™ (DCE) provides a dynamic, immersive experience designed to improve your skills and clinical reasoning through the examination of a digital standardized patients.

If at any time you have any questions or encounter any technical issues, Shadow Health has a dedicated team of helpful and knowledgeable Learner Support specialists who will patiently assist you. Please visit the Learner Support page at http://support.shadowhealth.com for contact information and hours. You may email the Learner Support team directly at support@shadowhealth.com at any time.

Evaluation:

a. Learning Assessments and Grading:

Learning Assessments:
• All components of the course are mandatory
• All components of the course must be completed & passed at the indicated levels in order to pass the course and progress through the program.

Components of the course include:
• Module on check-offs
• Initial focused health history and physical examination with documentation
• Shadow Health Digital Computerized experience
• Quizzes
• Final Performance Evaluation
• A minimum of 80% is passing for the majority of course components with the exception of the Final Performance Evaluation where passing is 90% for each component.
• Final Performance Evaluation - two randomly selected (out of three possible scenarios) focused history and physical examination with documentation each requiring a minimum of 90% to pass. The student must pass all components of each (2) of the randomly selected health history and physical examination with documentation by 90%.

Inability to pass any component of the course will result in a No Grade designation for the course Evaluation components:

1. Module Check-Offs & Documentation: Pass/Fail
• Students are required to demonstrate (check off) on skills that have been learned from assigned readings & online modules
• Written documentation of the performed assessment will also be submitted. The student may be asked to resubmit unacceptable work.
2. Initial Focused History and Physical Examination: Pass/Fail
   • Students will complete a simulated health history and physical examination with a classmate. Documentation will be submitted to faculty.

3. Shadow Health Assignments : Pass/Fail
   • The Shadow Health™ Digital Clinical Experience™ (DCE) provides a dynamic, immersive experience designed to improve your skills and clinical reasoning through the examination of digital standardized patients. Although these patients are digital, each one breathes, speaks, and has a complex medical and psychosocial history. We will be completing Shadow Health assignments throughout the course.
   • The exams allow you to respond to patients’ chief complaints. You will perform focused exams in which you will demonstrate a mastery of skills relevant to multiple body systems and professional communication.
   • You will be allowed multiple attempts for each module and can submit the best of the attempts.

For registration and purchase, follow the guide at: https://shadow.desk.com/customer/portal/articles/980991-how-to-register-with-shadowhealth. You will need to copy and paste the unique PIN above to register in your fall course.
   • Shadow Health recommends using headphones to access the concept labs in which you will practice identifying normal and abnormal sounds.

Technical Requirements - http://bit.ly/Shadow_Requirement After registering, access Shadow Health assignment at app.shadowhealth.com. If at any time you have any questions or encounter any technical issues regarding the DCE, please contact the support specialists. Please visit the Learner Support page at: http://support.shadowhealth.com for contact information and hours. You may email the Learner Support team directly at support@shadowhealth.com at any time.

5. Quizzes: 80% required to pass
   • Students will take 2 online quizzes worth 10 points each
   • Quizzes are based on information from assigned readings (textbook), journal articles & online resources

6. Final Performance Evaluation: Pass/Fail
A score of 90% or better is required for each component in order to pass the course
   • The simulated patient or “hands on” assessment may not be repeated.
   • A problem based health history and physical examination will be conducted, following completion of the course requirements. The student will be randomly assigned to two patients to conduct a focused history and physical examination with documentation of the visit.
   • The final performance evaluation consists of four components:
     ✓ Obtaining a complete focused health history
     ✓ Performing an appropriate physical exam with correct technique
     ✓ Documentation of the history
     ✓ Documentation of the physical
This is a timed exam:

- 30 minutes to complete each history and physical examination of each patient
- 30 minutes total to complete the history and physical documentation
- Components of each exam not completed during the allotted time will not be considered in grading

**Turnitin Statement:** Consistent with MSU’s efforts to enhance student learning, foster honesty, and maintain integrity in our academic processes, instructors may use a tool called Turnitin to compare a student’s work with multiple sources. The tool compares each student’s work with an extensive database of prior publications and papers, providing links to possible matches and a “similarity score.” The tool does not determine whether plagiarism has occurred or not. Instead, the instructor must make a complete assessment and judge the originality of the student’s work. All submissions to this course may be checked using this tool.

Students should submit papers to Turnitin Dropboxes without identifying information included in the paper (e.g. name or student number), the system will automatically show this info to faculty in your course when viewing the submission, but the information will not be retained by Turnitin.

Specific directions for a use of the Turnitin product in the course are provided in assignment directions.

**Course Grading Scale:** The course is graded as either Pass (P) or No Grade (N). In order to Pass the course, the student must achieve a grade of 80% or higher on assignments as described above in order to pass the course. Failure to meet 80% will constitute a failing grade and the student will not be allowed to continue on to the next semester. The MSN student handbook discusses the procedures in the event of a failure of a course.

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Grade</th>
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<tbody>
<tr>
<td>94 - 100</td>
<td>4.0</td>
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<tr>
<td>87 – 93</td>
<td>3.5</td>
</tr>
<tr>
<td>80 - 86</td>
<td>3.0</td>
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<tr>
<td></td>
<td>(passing)</td>
</tr>
<tr>
<td>75 - 79</td>
<td>2.5</td>
</tr>
<tr>
<td>70 - 74</td>
<td>2.0</td>
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</table>

**Professionalism:**

A. **General Statement**

B. Testing
All materials brought into a test, except for number 2 pencils with an eraser and calculator must be left in the front of the classroom. Students may not wear coats or jackets during the examination.

Students may not leave the room until all students have completed their exams.

If the instructor suspects any sharing during an exam, all students involved will receive a 0 on that exam, and will face all consequences of academic dishonesty according to the MSU College of Nursing Student Handbook.

Students must use MSU College of Nursing approved calculator for examinations. Students may not borrow calculators from other students during the examination.

Any student who is absent from an examination must notify faculty prior to the examination. The student will be given the opportunity to make-up the missed exam with the faculty member during office hours. Only one test can be missed and the student given a chance to take a make-up examination during this course. Any other missed exams will be assigned a grade of zero.

C. Calculators
Calculators are permitted; however, cellular telephone calculators and PDA calculators will not be used. No sharing of calculators will be permitted during exams. If calculators are forgotten, students must calculate the answers manually.

D. Electronic Communication Devices
All cellular telephones are to be placed in the vibration mode or turned off during class. Beepers should be placed in the vibration mode during class. No cellular phones or beepers will be permitted on the student’s person during examinations.

E. Children in the Classroom
Because of the intensity of these courses, faculty are unable to provide an environment conducive to learning and testing with children present. Students are expected to make child care arrangements in advance.

F. Appeal of Test Question/Grades
Appeals of test questions must be made within 5 days after the date of the examination. All appeals will be evaluated individually and must be made on the “Appeal of Test Question” form (attached).

According to the policies of The Michigan State University College of Nursing, grades may be appealed only for reasons of discrimination. All appeals must be made in writing. See the current Student Handbook for the appropriate form. The appeal must be made to the faculty member and course coordinator within one week. The appeal must be accompanied by a legible copy of all student work in the course at the occurrence/failure.

After appealing to the faculty and course chair, the student may appeal to the MSU College of Nursing Student Services Office. Grade appeals must be made in writing to the Director of Student Services and to the Associate Dean of Academic Affairs with 5 working days after appealing to the faculty and course chair.
The third level of appeal may be made in writing to the Dean of the MSU College of Nursing. The last level of appeal is at the university level. Students are referred to The MSU Student Handbook for this process of grade appeal.

G. Progression in the Major
NUR 880 is a required course in the nurse anesthesia curriculum. In order to progress, a student must pass this course with a grade of “B” or better.

H. Change in Calendar
The faculty reserves the right to alter the calendar as circumstances may dictate. All changes will be announced in class, posted on the College of Nursing website, or via College of Nursing email. Students not present in class are responsible for obtaining this information.

J. Official Means of Written Communication—Electronic Mail
Keeping up with changes or news from Michigan State University and the College of Nursing is the responsibility of the student. Electronic mail or e-mail is an official means of written communication for all students, faculty, and staff.

University & College Policies:
The College of Nursing expects that students will demonstrate professional behavior in all situations. Specific expectations for clinical and other professional venues can be found in the appropriate handbook. You are responsible for reviewing and acting in accordance with the policies and procedures found in the following sources, including the following topics: Professionalism, Academic Integrity, Accommodations for Students with Disabilities, Disruptive Behavior, Attendance, Compliance, and Progression.

- CON Student handbook  http://nursing.msu.edu/handbooks.asp
- Information for Current Students—including Rights, Responsibilities and Regulations for Students http://www.msu.edu/current/index.html
- Academic Programs http://www.reg.msu.edu/UCC/AcademicPrograms.asp

Policies:

**Academic Integrity**: Article 2.3.3 of the Academic Freedom Report states that "The student shares with the faculty the responsibility for maintaining the integrity of scholarship, grades, and professional standards." In addition, the (insert name of unit offering course) adheres to the policies on academic honesty as specified in General Student Regulations 1.0, Protection of Scholarship and Grades; the all-University Policy on Integrity of Scholarship and Grades; and Ordinance 17.00, Examinations. (See Spartan Life: Student Handbook and Resource Guide and/or the MSU Web site: www.msu.edu). Therefore, unless authorized by your instructor, you are expected to complete all course assignments, including homework, lab work, quizzes, tests and exams, without assistance from any source. You are expected to develop original work for this course; therefore, you may not submit course work you completed for another course to satisfy the requirements for this course. Also, you are not authorized to use the www.allmsu.com Web site to complete any course work in NUR 880. Students who violate MSU rules may receive a penalty grade, including—but not limited to—a failing grade on the assignment or in the course. Contact your instructor if you are unsure about the appropriateness of your course work. (See also http://www.msu.edu/unit/ombud/honestylinks.html)
Accommodations for Students with Disabilities: Students with disabilities should contact the Resource Center for Persons with Disabilities to establish reasonable accommodations. For an appointment with a disability specialist, call 353-9642 (voice), 355-1293 (TTY), or visit MyProfile.rcpd.msu.edu.

Disruptive Behavior: Article 2.3.5 of the Academic Freedom Report (AFR) for students at Michigan State University states: "The student's behavior in the classroom shall be conducive to the teaching and learning process for all concerned." Article 2.3.10 of the AFR states that "The student has a right to scholarly relationships with faculty based on mutual trust and civility." General Student Regulation 5.02 states: "No student shall . . . interfere with the functions and services of the University (for example, but not limited to, classes . . .) such that the function or service is obstructed or disrupted. Students whose conduct adversely affects the learning environment in this classroom may be subject to disciplinary action through the Student Faculty Judiciary process.

Attendance: Students whose names do not appear on the official class list for this course may not attend this class. Students who fail to attend the first four class sessions or class by the fifth day of the semester, whichever occurs first, may be dropped from the course.
Appeal of Test Question

All inquiries/appeals concerning a disputed answer on an examination must be made on this form. No appeal will be accepted unless received within five (5) days of the examination. All appeals will be evaluated individually.

Student Name: _______________________________________________________

Exam Number: _________ Date of Exam: __________ Date Submitted: _________

Submitted to: _________________________________________________________

1. Write the test number and question as it was written on the exam.

_____________________________________________________________________

2. What was the correct answer according to the test key? __________________

3. What answer did you select? _________________________________________

4. What concern do you have regarding the question and answer?

___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________

5. Cite Three References that support your rationale for the answer you selected over the answer on the answer key. References cannot be cited from the internet.
   a. _______________________________________________________________________
   b. _______________________________________________________________________
   c. _______________________________________________________________________

Additional comments may be attached to this form.

Faculty Response to Appeal: Accept ________ Reject __________

Rationale:

___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________

Faculty Signature: ___________________________ Date: ____________________
# Course Calendar

<table>
<thead>
<tr>
<th>WEEK</th>
<th>Content/Topic</th>
<th>Faculty</th>
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<tbody>
<tr>
<td>1</td>
<td>Introduction to NUR 880 – Typhon System; Professionalism, Practice Standards, and the AANA; Critical Thinking and Cultural Competence</td>
<td>Talley</td>
</tr>
<tr>
<td>2</td>
<td>Patient Assessment, Physical Examination and Anesthetic Preparation of the Surgical Patient</td>
<td>Talley</td>
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<tr>
<td>3</td>
<td>Patient Assessment – Acid-Base Balance; Monitoring Modalities for Nurse Anesthesia</td>
<td>Talley</td>
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<tr>
<td>4</td>
<td>Chemical Dependency, Peer Assistance, and Wellness</td>
<td>Talley</td>
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<tr>
<td>5</td>
<td>Patient Assessment – Chest &amp; Lungs; Heart; Blood Vessels</td>
<td>Talley</td>
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<tr>
<td>6</td>
<td>Issues in Clinical Services and Clinical Options; Clinical Sites Practical Experiences</td>
<td>Talley</td>
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<tr>
<td>7</td>
<td>Patient Assessment – Neurological System</td>
<td>Talley</td>
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<tr>
<td>8</td>
<td>Patient Assessment – Musculoskeletal System</td>
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<tr>
<td>9</td>
<td>Patient Assessment – Mental Status Assessment; Assessment of Pain</td>
<td>Talley</td>
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<tr>
<td>10</td>
<td>Putting It All Together</td>
<td>Talley</td>
</tr>
<tr>
<td>11</td>
<td>*Scholarly Paper – 30% of grade. Select a specific disease entity that would be of concern to the anesthesia provider (i.e. hypertension, diabetes, M.S., etc.) and develop an in-depth paper on this disease process, Simulation Lab</td>
<td>Talley</td>
</tr>
</tbody>
</table>