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

Additional Course Objectives: At the completion of this course the student will be able to:

1. Demonstrate knowledge of the process of diagnostic reasoning
2. Demonstrate knowledge of the anatomical, pathological, and physiological basis of health assessment
3. Perform advanced examination techniques
4. Perform and document a thorough pre-anesthesia assessment and evaluation of the pre-surgical patient
5. Formulate an appropriate patient-specific plan of care
6. Synthesize the findings from the health assessment to determine need for referral, further evaluation and/or management
7. Describe the underlying pathophysiology of selected conditions affecting the major physiological systems of critical importance to the anesthesia practitioner
8. Incorporate knowledge of the interrelatedness of pathophysiology on body systems and how that may alter pharmacologic effects and stress response
9. Demonstrate competency with anesthesia specific examination techniques

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.

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

henry.talley@hc.msu.edu
Office Phone: 517-355-8305
Office: A-119 Life Sciences

Office Hours: Variable – Appointments arranged usually; however, available as needed by students in the Nurse Anesthesia Program to accommodate student schedules.
Instruction:

a. Methodology:
Independent study, classroom activities, lectures, assignments, exams, internet assignments, self-evaluation, computer-aided instruction and student/faculty conferences.

b. Required Texts:


Optional Texts:


c. Required Resources, References, Supplies: Stethoscope, Lab Jacket, calculator, computer access, MS PowerPoint access, MS Word access.

Evaluation:

a. Learning Assessments and Grading:

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

Professionalism:

A. General Statement
The student is held accountable and responsible for the all policies in the most current version of The Michigan State University Student Handbook and Resources Guide (The Spartan Life: [http://www.vps.msu.edu/SpLife/acfrees.htm](http://www.vps.msu.edu/SpLife/acfrees.htm)), The College of Nursing Handbook ([http://nursing.msu.edu](http://nursing.msu.edu)), and the Nurse Anesthesia Program Supplement.

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
- MSU Spartan Life Student Handbook and Resource Guide
  http://www.vps.msu.edu/SpLife/index.htm
- 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:  __________________
<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/McCarthy</td>
</tr>
<tr>
<td>2</td>
<td>Patient Assessment, Physical Examination and Anesthetic Preparation of the Surgical Patient</td>
<td>Talley/McCarthy</td>
</tr>
<tr>
<td>3</td>
<td>Patient Assessment – Acid-Base Balance; Monitoring Modalities for Nurse Anesthesia</td>
<td>Talley/McCarthy</td>
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<tr>
<td>4</td>
<td>Chemical Dependency, Peer Assistance, and Wellness</td>
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<tr>
<td>5</td>
<td>Patient Assessment – Chest &amp; Lungs; Heart; Blood Vessels</td>
<td>Talley/McCarthy</td>
</tr>
<tr>
<td>6</td>
<td>Issues in Clinical Services and Clinical Options; Clinical Sites Practical Experiences</td>
<td>Talley/McCarthy</td>
</tr>
<tr>
<td>7</td>
<td>Patient Assessment – Neurological System</td>
<td>Talley/McCarthy</td>
</tr>
<tr>
<td>8</td>
<td>Patient Assessment – Musculoskeletal System</td>
<td>Talley/McCarthy</td>
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<tr>
<td>9</td>
<td>Patient Assessment – Mental Status Assessment; Assessment of Pain</td>
<td>Talley/McCarthy</td>
</tr>
<tr>
<td>10</td>
<td>Putting It All Together</td>
<td>Talley/McCarthy</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/McCarthy</td>
</tr>
</tbody>
</table>