Catalog Course Description: Advanced anesthesia care principles. Procedures and complications in the anesthetic management of the emergency and trauma patient. Considerations for specialty surgical areas.

Course Objectives: At the end of this course, students will:
1. Design management care plans for specialty surgical areas.
2. Discuss pathophysiology and mechanisms of pain.
3. Demonstrate understanding of anesthesia gas machine and anesthetic gas behavior.
4. Discuss implications of disease process on anesthetic management of surgical patients.
5. Develop plans of care and anesthesia management for major system compromise.

Prerequisites: Acceptance into the Nurse Anesthesia Program

Professional Standards & Guidelines: The curriculum is guided by the following documents.


Course Faculty: Gayle Lourens, MS, BSN, CRNA

Contact Information:
Office: A121 Life Sciences
Office Phone: 517-432-816
Cell Phone: 517-862-5666
E-mail: gayle.lourensi@hc.msu.edu
Office Hours: Variable-Appointments arranged by phone or e-mail

Note: Times can be arranged to accommodate student schedules.

Instruction:
A. Methodology: Independent study, classroom discussion, lectures, Angel assignments, exams, simulation and application workshops, self-evaluation, student/faculty conferences.
B. Required Texts:


C. Optional Texts:


Evaluation:

A. Course Grading Scale:

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


B. Testing
   1. 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.
   2. Students may not leave the room until all students have completed their exams.
   3. 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.
   4. If the instructor suspects any sharing during an exam, all students involved will receive a zero on that exam, and will face all consequences of academic dishonesty according to the MSU College of Nursing Student Handbook.
   5. If the instructor suspects any sharing during an exam, all students involved will receive a zero on that exam, and will face all consequences of academic dishonesty according to the MSU College of Nursing Student Handbook.
   6. Students must use MSU College of Nursing approved calculator for examinations.
      Cell phone and PDA calculators are not permitted. Students may not borrow calculators from other students during the examination. If calculators are forgotten, students must calculate the answers manually.
   7. 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.
   8. Students must use MSU College of Nursing approved calculator for examinations.
   9. 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. 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.

D. 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.

E. 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.

F. Progression in the Major
NUR 883 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.

G. 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.

H. 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.
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: _________________
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 to review and act 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

Course 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 883. 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.
<table>
<thead>
<tr>
<th>Week</th>
<th>Content/Topic</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>One</td>
<td>Anesthesia for the Older Adult /Introduction to PACU</td>
<td>Lourens</td>
</tr>
<tr>
<td>Two</td>
<td>Gastrointestinal Procedures/ Laparoscopic Implications; Gynecological Procedures</td>
<td>Lourens</td>
</tr>
<tr>
<td>Three</td>
<td>Anesthesia for Orthopedics Procedures</td>
<td>Lourens</td>
</tr>
<tr>
<td>Four</td>
<td><strong>Exam I</strong>: Robotics</td>
<td>Lourens</td>
</tr>
<tr>
<td>Five</td>
<td>Anesthesia for ENT procedures; Anesthesia for Maxillofacial Procedures</td>
<td>Lourens</td>
</tr>
<tr>
<td>Six</td>
<td>Anesthetic Considerations for Endocrine Disorders; Anesthesia for ECT</td>
<td>Lourens</td>
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<tr>
<td>Seven</td>
<td>Anesthesia Care for the OSA and Elevated BMI Patient</td>
<td>Goorin</td>
</tr>
<tr>
<td>Eight</td>
<td>Anesthesia for Renal; Introduction to Off-Unit</td>
<td>Lourens</td>
</tr>
<tr>
<td>Nine</td>
<td>IPE Simulation / Off Unit</td>
<td>Lourens</td>
</tr>
<tr>
<td>Ten</td>
<td><strong>Exam II</strong>: Anesthesia for ICDs and Pacemakers</td>
<td>Lourens</td>
</tr>
<tr>
<td>Eleven</td>
<td>Advanced Airway Workshop</td>
<td>Lourens</td>
</tr>
<tr>
<td>Twelve</td>
<td>Subarchnoid Blocks / Epidurals; Caudal blocks</td>
<td>Lourens</td>
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<tr>
<td>Thirteen</td>
<td><strong>Exam III</strong>: SAB/ Epidural; Caudal</td>
<td>Lourens</td>
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<tr>
<td>Fourteen</td>
<td>OB</td>
<td>Lourens</td>
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<tr>
<td>Fifteen</td>
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<td>Lourens</td>
</tr>
<tr>
<td>Sixteen</td>
<td><strong>Cumulative Final Exam</strong></td>
<td>Lourens</td>
</tr>
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</table>

** 16 weeks in semester**