University of Pennsylvania
School of Nursing
Course Syllabus

TITLE: N 620 Professional Aspects and Leadership for Nurse Anesthesia Practice;
A Professional Capstone Course

COURSE UNITS: 1 cu

CATALOG DESCRIPTION:
This course will provide students with an opportunity to explore professional issues which affect the practice of nurse anesthesia and the healthcare delivery system. Discussion of professional issues which impact nurse anesthetist practice will include professionalism, scope of practice, continuous quality improvement, patient safety from a systems perspective, medical legal concerns, ethical decision making, reimbursement and other financial issues which impact healthcare delivery. Students will be afforded the opportunity to develop their own sense of professionalism as they explore these issues and develop a professional presentation.

PLACEMENT: Fall, Year II

FACULTY: Russell R. Lynn, MSN, CRNA

PRE-REQUISITE(S): Principles of Nurse Anesthesia Practice III (N 619 & N 793)
CO-REQUISITE(S): None

COURSE OVERVIEW:
Students will be given the opportunity to examine issues which surround the practice of nurse anesthesia and professionalism. Students will be afforded the opportunity to explore issues such as Professionalism, Continuous Quality Improvement, Patient Safety, Scope of Practice, Medical Legal Concerns, Ethical Decision making, and Financial Issues which impact on the healthcare delivery system.

COURSE OBJECTIVES:
1. Explore components of continuous quality improvement as it is related to Nurse Anesthesia Practice.
2. Critically examine the scope of practice of the Nurse Anesthetist with emphasis on discussion of the components of professionalism.
3. Critically debate the concept of professionalism
4. Discuss the impact of medico legal issues and legislative initiatives on the Nurse Anesthesia practice, the delivery of healthcare, and patient safety.
5. Examine various professional and educational avenues available to the CRNA. Special emphasis will be placed on the professional development of the student, their portfolio, along with an introduction to doctoral education opportunities.
6. The student will identify areas within the scope of nurse anesthesia education in need of review. Once identified, the student will develop a plan of study to review these areas. This study outline will serve as a framework for review of the

identified areas in preparation for successful completion of the Self-Assessment Examination.
7. Discuss and explore the reimbursement system and its impact on the delivery of anesthesia services.
8. Examine issues surrounding the delivery of care and patient safety initiatives from a systems perspective.
9. Discuss and explore ethical concepts as they are related to issues of delivering anesthesia care.

TEACHING METHODS:
Lecture, discussion, case study review

EVALUATION METHODS:

Study guide for independent review sessions	20%	Due August 26, 2014
Professional Portfolio	30%	Due October 21, 2014
Professional Issues Paper	40%	Due December 2, 2014
Classroom Presentation of Professional Issue Paper	10%	Due December 2, 2014

Extension Policy

Students may be granted a one-time only 7 day extension for the course. Prior approval from the course coordinator must be obtained for an extension a minimum of 24 hours before the due date. Students requesting the extension will have their late assignment grade reduced by 10 percent. Late assignments without an extension will not be accepted. Assignments with an extension will not be accepted 7 days beyond the original due date.

GRADING POLICY:

A+ 97-100	B+ 87-89	C+ 77-79	F 0-69
A 93-96	B 83-86	C 73-76	
A- 90-92	B- 80-82	C- 70-72	

A grade ending in 0.5 or above will be rounded up to the next whole number. A grade ending in 0.4 or less will be rounded down to the next whole number.

The University's Academic Integrity Policy will be enforced during this course. Any student found responsible for infractions of this academic code during this course will receive a failure for the course.

This policy may be accessed at the following link and can be found in the graduate student handbook:

http://www.nursing.upenn.edu/students/handbooks/MSN/2005-2006%20Grad%20Resource%20Guide.pdf

GUIDELINES FOR SELF DIRECTED STUDY GUIDE

The student will identify gaps within their anesthesia related knowledge base. A self directed plan of study will be developed to explore anesthesia resources to improve the student's understanding of self identified areas of weakness. A sample Self Directed Review is included for reference below. The plan of study should include:

1. A time schedule of material to be covered on each Self Directed Review Session. This outline should reflect a minimum of 7.5 hours of study per week: Three 3 hour sessions with two 15 minute breaks per session **OR** 22.5 hours total for the 3 weeks of class time.
2. The study guide must include:
    a. **For individuals who have not passed the SEE prior to 9/2/2014 or who are scheduled to take the SEE after 9/2/2014 but before 9/19/2014**: A summary of the preparation done ***prior*** to self directed review days, with the understanding that you will likely exceed 22.5 hours of study time in preparation for the SEE. This will enable faculty to review your 3 week plan to determine what material you have already reviewed and what material you will be focusing on during the beginning of the semester.
    b. **For individuals who pass the SEE prior to 9/2/2014**: A copy of the SEE exam results. The areas identified for study in the Self Directed Review should correlate with the areas identified on the SEE exam results as areas of relative weakness.
3. The study guide must include a time break down, including breaks. For each allotted time slot a category and detailed content outline must be provided.
4. The method of evaluation of each review session, e.g. review questions from a specific source, must be included to assess your knowledge related to the content area that you have identified. It is the student's responsibility to maintain a record of these evaluations. Faculty may ask to review these evaluations with the student.
5. Include a reference text and page for each session and topic. References must include anesthesia textbooks (e.g. Nagelhout & Plaus). Additional non-textbook references (e.g. Valley review/Prodigy) may be used as supplemental materials.
6. **This study plan should be submitted electronically to wiltse@nursing.upenn.edu no later than 9:00AM EST on August 26, 2014.** Failure to meet the assigned due date and time will result in a full letter grade deduction for each 24 hours that the Self Directed Review Plan is late. For example, a plan that was submitted on time that would have received a 95% would be scored as an 85% if submitted on August 26,, 2014 at 9:01am EST and as a 75% if submitted on August 27, 2014 at 9:01am.
7. Faculty will expeditiously review each plan to determine that the guidelines are met as per the instructions listed above. Individuals with reviews that are considered suboptimal will be notified by faculty by September 2, 2014. After discussion and direction by a faculty member the student may be required to revise their study plan. However, students are strongly encouraged to do due diligence in submitting their Self Directed Review Plan as any required

revisions will not lead to an increase in the grade. Grades will be based solely on the quality of the product submitted for the 8/26/2014 due date.
8. This self directed review is a requirement for N620, N747 and N794. The percentage grade awarded for this assignment will be sent to each course director for each of these courses, as per the requirements.
9. If any further examples or explanation of the Self Directed Review is needed, please email wiltse@nursing.upenn.edu for clarification.

SAMPLE SELF DIRECTED REVIEW PLAN

Self-Directed Study Guide

CONTENT COVERED PRIOR TO STUDY DAYS

Equipment (M&M 17-90)
- ✓ Anesthesia gas machine
- ✓ Compressed gas cylinders
- ✓ Breathing systems
- ✓ Laryngeal mask airway
- ✓ Quick Quiz: Equipment and Monitoring, Valley
- ✓ *Gas Sources, Memory Master*
- ✓ *Regulators & Flowmeters, Memory Master*
- ✓ *Vaporizers, Memory Master*
- ✓ *Alarms & Safety Devices, Memory Master*
- ✓ *Ventilators, Memory Master*
- ✓ *C02 Absorbers, Memory Master*
- ✓ *Anesthetic Circuits, Memory Master*
- ✓ *Machines, Memory Master*
- ✓ *Airway Equipment, Memory Master*
- ✓ *Airway Devices, Prodigy Quick Review*
- ✓ *Anesthetic Delivery System, Prodigy Quick Review*

Pre-anesthesia Evaluation
- ✓ Preoperative Evaluation and Preparation of the Patient (Nagelhout, p 358-398)
- ✓ *Preoperative Assessment, Memory Master*

Hepatic Physiology and Anesthesia
- ✓ Functional Anatomy of the Liver (M&M p. 773-775)
- ✓ Vascular Functions of the Liver (M&M p. 775-780)
- ✓ Effect of Anesthesia on Hepatic Function (M&M p. 781-788)
- ✓ *Hepatic Anatomy & Physiology, Memory Master*
- ✓ *Hepatic Pathophysiology, Memory Master*
- ✓ *Hepatic Failure, Prodigy*
- ✓ *Hepatitis, Prodigy*

Hemostasis and Immunology

- ✓ Formation of the platelet plug (Valley p. 172-181)
- ✓ Fibrin production, Disorders (Valley p. 177, 181)
- ✓ Coagulation Cascade (Valley p. 179-180)
- ✓ Physiology & Pharmacology of Anticoagulation (Valley p. 182-183)
- ✓ Fibrinolysis (Valley 184-185)
- ✓ Complex Disorders of Coagulation (Valley p. 186)
- ✓ Fluid and Blood Products
- ✓ Immune Function (Rhoades & Bell, p 187-206, notes from 607 and 683)
- ✓ *Hemostasis Quiz, Valley p. 190-191*
- ✓ *Blood Components, Memory Master*
- ✓ *Coagulation, Memory Master*
- ✓ *Anemias, Memory Master*
- ✓ *Coagulopathies, Memory Master*
- ✓ *Coagulation Tests*

Professional Issues

- ✓ History (Nagelhout, p 1-4)
- ✓ Organizational and Professional Survival (Nagelhout, p 5-23)
- ✓ Standards of Practice (Nagelhout, p 28-32)
- ✓ *Professional Practice Standards, Memory Master*

Medical/Legal Issues

- ✓ Sources of Law (Nagelhout, p. 40-42)
- ✓ Areas of Interest to Nurse Anesthetist (Nagelhout, p. 43-46)
- ✓ Avoiding a Lawsuit (Nagelhout, p. 46-48)
- ✓ *Legal, Memory Master*
- ✓ *Patient Safety, Memory Master*
- ✓ *Legal Issues, Prodigy Quick Review*

Research

- ✓ Fundamentals (Nagelhout p. 49, 66)
- ✓ EBP (Nagelhout p. 63-66)
- ✓ Process stages (Nagelhout p. 50-62)
- ✓ Reliability, validity (Nagelhout p. 49-50)
- ✓ Research terminology, Prodigy
- ✓ *Research Methods and Quality, Memory Master*

Pediatric Anesthesia

- ✓ Pediatric anatomical differences (Valley p. 453-58 & M&M p. 923-931)
- ✓ Pediatric Anomalies (Valley p. 458-66 & M&M p. 939-944)
- ✓ Congenital Anomalies
- ✓ Malignant Hyperthermia
- ✓ Airway Difficulties
- ✓ Neonate
- ✓ *Pediatric Anesthesia Review, Valley p. 472-75*

- ✓ *Pediatric Anatomy & Physiology, Memory Master*
- ✓ *Congenital Problems & Management, Memory Master*
- ✓ *Pediatric Pathophysiology, Memory Master*
- ✓ *Pediatric Pharmacology, Memory Master*
- ✓ *Prematurity, Prodigy Quick Review*
- ✓ *Pediatric Anatomy & Physiology, Prodigy Quick Review*
- ✓ *Pediatric Pharmacology, Prodigy Quick Review*

Obstetrical Anesthesia (M&M 890-922, Nagelhout 1103-1147, Valley p. 404-435)

- ✓ Physiological changes of Pregnancy
- ✓ General and Regional Anesthesia
- ✓ Stages of Labor and Pain Pathways
- ✓ Anesthesia for the Complicated Pregnancy
- ✓ *Obstetrical Anesthesia Quiz, Valley p 436-437*
- ✓ *OB Anatomy & Physiology, Memory Master*
- ✓ *PIH, Memory Master*
- ✓ *OB Complications, Memory Master*

Geriatric Anesthesia (M&M p. 951-958, Nagelhout p 1210-1217, Valley p. 461-474)

- ✓ General Physiological and Cellular Changes
- ✓ Pharmacology in the Geriatric Patient
- ✓ *Geriatrics Quiz, Valley 476*
- ✓ *Geriatric A&P, Memory Master*
- ✓ *Geriatric Pharmacology, Memory Master*

Anesthesia and Obesity (Nagelhout p. 1024-1044, Valley p. 478-493)

- ✓ Physiology of Obesity
- ✓ Medical Consequences of Obesity
- ✓ Organ System Pathophysiology
- ✓ Anesthetic Management
- ✓ *Obesity Anatomy and Physiology, Memory Master*
- ✓ *Obesity Pharmacology, Memory Master*
- ✓ *Obesity Anesthetic Management, Memory Master*
- ✓ *Obesity Complications, Memory Master*
- ✓ *Obesity, Prodigy Quick Review*

Cell Physiology

- ✓ Valley (p. 1-6,)
- ✓ Rhoades & Bell (p. 20-38)
- ✓ *Cell Physiology Review Questions, Valley p. 10-11,*

Cardiac Physiology

- ✓ Cardiac Electrophysiology (Valley p. 110-111 & M&M p. 413-416)
- ✓ Ionic Changes with Ventricular Contraction (Valley p. 111 & M&M p. 418-420)
- ✓ ECG interpretation (Valley, p. 116-122)
- ✓ *Cardiac Electrophysiology, Memory Master*

- ✓ Determinants of Cardiac Output (Valley p. 129-130 & M&M p 420-425)
- ✓ Ventricular Hypertrophy (Valley p. 130 & M&M p. 435)
- ✓ Anatomy and Physiology of Coronary Circulation (M&M, p 430- 432)
- ✓ *Heart Sounds and Murmurs, Memory Master*
- ✓ *Cardiac Output & Cardiac Cycle, Memory Master*
- ✓ *Blood Pressure, Memory Master*
- ✓ *Circulation, Memory Master*

Cardiac Pressure Volume Loops (Nagelhout, p.478-479, 492-499)

- ✓ Normal LV loops (Valley p. 130)
- ✓ Preload changes and Pressure Volume Loop (Valley p. 131-133 & M&M p. 434)
- ✓ Afterload changes and Pressure Volume Loops (Valley p 134-136 & M&M p. 434)
- ✓ Altered Contractility on Pressure Volume Loops (Valley p. 137-139)
- ✓ Pressure-Volume Loop Shifts Associated with Valve Problems (Valley p. 141-143)
- ✓ Ventricular Function Curves (Valley p 145-146)
- ✓ *Valley Exercise on Pressure Volume Loops, Valley p. 144*
- ✓ *Valley Exercise on Ventricular Function Curves, Valley p. 148*
- ✓ *Quick Quiz: Cardiovascular*
- ✓ *Myocardial Blood Flow & Oxygen Consumption, Memory Master*

Miscellaneous Cardiac Topics

- ✓ Treatment of Intraoperative Ischemia (Valley p 149-150, M&M p. 453-463)
- ✓ Control of BP (Baroreceptor Reflex) (Valley p. 151)
- ✓ Nitric Oxide (Valley p. 152-154, M&M 256-259)
- ✓ Determinants of Myocardial 02 supply (Valley p. 155)
- ✓ Nonadrenergic CV drugs (Valley, p 156)
- ✓ Antihypertensives (Valley p 156, M&M p. 255-262)

Valvular Heart Disease

- ✓ IHSS, Valley (p. 160-161, M&M p. 475)
- ✓ Aortic Regurgitation (Valley p. 162-163, M&M p. 476-477)
- ✓ Mitral Regurgitation (Valley p. 164-165, M&M 469-472)
- ✓ Aortic Stenosis (Valley, p 166-167, M&M 473-474)
- ✓ Mitral Stenosis (Valley p 168-169, M&M p. 467-469)
- ✓ *Valley Quick Quiz: Valvular Lesions*
- ✓ *Arrythmias, Hypertrophy, Valve Lesions, Memory Master*
- ✓ *CAD, Cardiac Failure, Tamponade, Memory Master*

Pain Pathways and Modulation of Pain

- □ Pain Pathways and Opioids (Valley p. 77-85 & Nagelhout p. 603-604)
- □ Substantia Gelatinosa, (Valley p. 81)
- □ Modulation of Pain (Valley p. 88)
- □ Afferent and efferent pain pathway quick review (Valley p 89)

NMB

- ✓ NMB Pharmacology (Valley p. 14-19 & M&M p. 208-209)
- ✓ Peripheral Nerve Stimulation (Valley p. 25-28 & M&M 209-210)
- ✓ NMB Reversal (M&M p. 227-241)
- ✓ *NMB Review Questions, Valley p. 29-32*
- ✓ *Succinylcholine Review Questions, Memory Master p. 184-185*
- ✓ *Non-Depolarizer Review Questions, Memory Master p. 186-190*
- ✓ *Interaction & Complication Review Questions, Memory Master p. 190-194*
- ✓ *Peripheral Nerve Stimulator Questions, Memory Master p. 304-306*
- ✓ *Antimuscarinics, Memory Master p. 194-196*
- ✓ *Atypical Plasma Cholinesterase, Memory Master*
- ✓ *Reversal Agents, Memory Master*

Med Review

- ✓ Drugs Acting on the SNS (Valley p. 42-43)
- ✓ Alpha & Beta Adrenergic Antagonists (M&M p 242-253)
- ✓ Pharmacology of PNS (Valley p. 54-58)
- ✓ Pharmacology of Bronchial Smooth Muscle (Valley p. 59-62)

Monitoring (Nagelhout, p. 315-331, 337-342)

- ✓ Pulse Oximetry (Valley p. 518)
- ✓ Capnography (Valley p. 519-23)
- ✓ BIS (Valley p. 518)
- ✓ CVP (Valley p. 524)
- ✓ PAC (Valley p. 526-29)
- ✓ A-line (Valley p. 530-31)
- ✓ Quiz equipment and monitoring (Valley p. 532-35)
- ✓ *CVP Questions, Memory Master*
- ✓ *Pulmonary Artery Pressure Questions, Memory Master*
- ✓ *Arterial Blood Pressure Questions, Memory Master,*
- ✓ *Capnography Questions, Memory Master*
- ✓ *Pulse-Ox Questions, Memory Master*

Endocrine

- ✓ Pancreas (M&M. p. 803-806)
- ✓ Thyroid (M&M. p. 806-808)
- ✓ Parathyroid (M&M p. 809-811)
- ✓ Adrenal Gland (M&M p. 811-813)
- ✓ Pituitary (M&M p 814)
- ✓ *Thyroid & Parathyroid, Memory Master*
- ✓ *Thyroid & Parathyroid Pathophysiology, Memory Master*
- ✓ *Pancreas, Memory Master*
- ✓ *Pancreas Pathophysiology, Memory Master*
- ✓ *Adrenal Gland, Memory Master*
- ✓ *Adrenal Pathophysiology, Memory Master*
- ✓ *Pituitary, Memory Master*

Clinical Scenarios

- □ Cardiac Surgery (M&M p. 490-520)
- □ Mediastinoscopy (Valley p. 538)
- □ Pheochromocytoma (Valley p. 539, Hines & Marschall, p. 388-393)
- □ One Lung Ventilation (Valley p. 540)
- □ ASA Physical Status Classification (Valley p. 541)
- □ Neuromuscular Diseases (Valley p. 542-543, Hines & Marschall p. 446-466)
- □ Parkinson's Disease (Valley p. 544, Hines & Marschall p 227-228 & 642-643)
- □ Rheumatoid Arthritis (Valley p. 545, Hines & Marschall p. 455-457)
- □ Osteoarthritis (Valley p. 545, Hines & Marschall p. 458-459)
- □ Scoliosis (Valley p. 546, Hines & Marschall p. 459-460)

Carcinoid Syndrome (Hines & Marschall p. 289-291)

Additional Review: In addition to utilizing Valley review book (sweat book), Valley memory master, and Nagelhout Review of Nurse Anesthesia, a minimum of 30 minutes a session will be devoted to Prodigy software questions.

DAY 1

0900-1030: Neuroanatomy/Neurophysiology

- □ Neuromuscular Physiology/Pharmacology (Valley, p 12-28, Nagelhout, p 179-199)
- □ Peripheral Nervous System (Valley, p 31-54, Nagelhout, p 656-658)
  - o Sympathetic Nervous System
  - o Parasympathetic Nervous System
- □ *Neuropathophysiology and Autonomic Nervous System Review Questions, Memory Master*

1030-1045: break

1045-1200: Neuroantomy/Neurophysiology (cont.)

- □ Central Nervous System (Valley, p 90-103, Nagelhout, p 651-690, M&M, p 614-626)
  - o Neuroanatomy of spine and spinal cord
  - o Cranial nerves
  - o Cerebral blood flow and metabolism
  - o Spinal cord blood flow
- □ *Spinal Cord, Cranial Nerves, Spinal Cord, Cerebral Blood Flow Review Questions, Memory Master*

1200-1245: Lunch Break

1245-1415: Larynx Anatomy, O2 and CO2 Dissociation Curves

- □ Anatomy of the Larynx (Valley p. 192-193, M&M p. 91-93, Nagelhout p. 560-563)
- □ Oxyhemoglobin Dissociation Curve (Valley p. 194-197, M&M p. 561- 564, Nagelhout p. 573-575)
- □ Carbon Dioxide Blood Dissociation Curve (Valley p. 200 & M&M p. 564-567)
- □ *Respiratory Anatomy Review Questions, Memory Master*

1415-1430: break
1430-1600: Ventilation Control, Pulmonary Mechanics and V/Q Relationship
- □ Control of Ventilation (Valley p. 203 & M&M p. 567-568)
- □ Pulmonary Mechanics (Valley p. 204, M&M p. 539-542, Nagelhout p. 565-570)
- □ V/Q Relationship (Valley p. 210 & M&M p. 552-556, Nagelhout p. 572)
- □ V/Q Review Questions (Valley p. 211)
- □ *Respiratory Mechanics Review Questions, Memory Master*
- □ *Ventilation Review Questions, Memory Master*

1600-1615: break
1615-1745: Lung Zones, Pre-O2, PFTs, Obstructive and Restrictive Dx
- □ Zones of the Lung (Valley p. 217 & M&M p. 554-555, Nagelhout p.570-571)
- □ Preoxygenation (Valley p. 219)
- □ Pulmonary Function Tests (Valley p. 221 & M&M p. 544-551)
- □ Obstructive and Restrictive Disease (Valley p. 223)
- □ Airway Closure, Closing Volumes/Capacities (Valley p. 224-228)
- □ *Respiratory Quiz, Valley p. 231-234*

1745-1800: break
1800-1930: Review of Day
- □ Memory Master Sections:
  - o *Blood Flow, HPV/Shunts Review*
  - o *Blood Gases (O2 and CO2) Review*
  - o *Respiratory Control Review*
  - o *Ventilation:Perfusion Review*
  - o *Obstructive & Restrictive Diseases Review*
- □ Prodigy
- □ Nagelhout Review of Nurse Anesthesia

Total Study Time for Day 1 = 8.75 hours
Areas not covered adequately will continue to be reviewed during this week.

DAY 2

0900-1000: Renal Function, Regulation of Fluid (Nagelhout, p 694-714)
- □ Overview of Renal Function (Valley p. 235-239 & M&M p. 725-732)
- □ Renal Control of Glucose (Valley p.241)
- □ Regulation of Extracellular Fluid Osmolality (Valley p.242-245)
- □ Control of Extracellular Fluid Volume (Valley p. 246)
- □ *Renal Anatomy and Physiology Review Questions, Memory Master*
- □ *Renal Pathophysiology Questions, Memory Master*

1000-1015: break
1015-1115: Renal Electrolyte Control, Diuretics, Renal Failure
- □ Renal Control of Electrolytes (Valley p. 246-251)
- □ Diuretics (Valley p. 253-255 & M&M p. 736-739)
- □ Renal Failure, (Valley p. 256-257 & M&M p. 746-756)
- □ *Acute and Chronic Renal Failure, Memory Master*
- □ *Renal Function Tests, Memory Master*

- □ *Diuretics, Memory Master*

1115-1145: lunch break

1145-1245: Fluid and Electrolytes & Acid/Base Balance

- □ Fluid and Electrolyte Balances/Disturbances (Valley p. 260-263, M&M 246-251)
- □ Kidneys' Role in Acid/Base Balance (Valley p. 265-268)
- □ *Renal, Electrolytes, Acid-Base Issues, Quiz, Valley p. 271-273*
- □ *Acid Base, Memory Master*
- □ *Fluids and Electrolytes, Memory Master*

1245-1300: break

1300-1430: Local Anesthetics

- □ Structure (Valley p 291-293, M&M 263-275)
- □ Mechanism of action, (Valley p 294, M&M 267-275)
- □ Metabolism (Valley p 295, M&M 263-275)
- □ Toxicity (Valley p 295)
- □ *Pharmacology Quiz, Valley p 298*

1430-1600: Regional Anesthesia

- □ Spinal Anesthesia (Valley p 357-366, M&M 289-309)
- □ Epidural Anesthesia (Valley p 367-372, M&M 310-314)
- □ Complications of Neuraxial Blockade (Valley p 373, M&M 316-323)
- □ Upper Extremity Blocks (Valley p 374-379, M&M 324-342)
- □ Lower Extremity Blocks (Valley p 381-395, M&M 343-357)

1600-1630: break

1630-1730: Positioning and Nerve Injuries

- □ Positioning (Valley p 402)
- □ *Peripheral Nerve Injuries Quiz, Valley p 403*
- □ Nerve Injuries (Valley p 396-400)

1730-1930: Review of Day

- □ Memory Master Sections:
  - *Esters*
  - *Amides*
  - *Infiltration and Topical*
  - *Subarachnoid*
  - *Brachial Plexus Blocks*
  - *Lower Extremity*
  - *Other Regional Blocks*
  - *Regional Anesthesia Complications*
  - *Positioning*
  - *Peripheral Nerve Injury*
- □ Prodigy
- □ Nagelhout Review of Nurse Anesthesia

Total Study Time for Day 2 = 9.0 hours
Areas not covered adequately will continue to be reviewed during this week.

- ✓

Total Study Time for Day 3 = 8.75 hours

Areas not covered adequately will continue to be reviewed during this week.

References:

Hines, R.L. & Marschall, K.E. (2008). *Stoelting's Anesthesia and Co-Existing Disease* (5th ed).
Philadelphia: Churchill Livingstone

Memory Master: Questions & Answers for the Student Registered Nurse Anesthetist (2012). Valley Anesthesia.

Nagelhout, J.J. (1999). *Review of Nurse Anesthesia.* Philadelphia: Saunders.

Nagelhout, J. J. & Plaus, K. L. (2010). *Nurse Anesthesia* (4th ed). St. Louis: Elsevier Saunders

Rhoades, R.A. & Bell, D.R. (2009). *Medical Physiology: Principles for Clinical Medicine*
(3rd edition). Philadelphia: Lippincott Williams & Wilkins.

Guidelines for the Professional Issues Paper

Select a current issue which affects the scope of nurse anesthesia practice. Describe and critique the issue and its impact on Nurse Anesthesia Practice and healthcare delivery. Take a stand in support or opposition of the issue and defend your position with an analysis of current literature.

Your selected issue must receive prior approval from the course director!

Objective of the Professional Issues Paper

The student will develop an in-depth understanding of issues which impact the scope of nurse anesthesia practice and the delivery of healthcare.

Grading of the Professional Issues Paper

This paper should be 7-10 pages. The reference page, figures, and tables are not to be counted within the page limit.

Components to be included in this paper are listed below. Grades will be weighted according to the following criteria:

I. Introduction of the Issue 20%

The student is able to articulate an understanding of a current issue and describes its effect on the practice of Nurse Anesthesia and healthcare delivery.

II. Discussion of Position on Issue 40%

The student is able to discuss how the selected issue improves healthcare, or has a negative impact on healthcare. This position should be supported with current literature.

III. Plan of Change 30%

The student develops a plan of change to improve the current system having a positive effect on Nurse Anesthesia Practice and the delivery of healthcare. Should the student have a favorable position for the current status of the selected issue a plan of change to further enhance the current practice or healthcare delivery should be described.

IV. Format 10%

Proper use of APA format, grammar, and spelling

Guidelines for the Classroom Presentation of Professional Issue Paper

The student will organize and present their professional issue paper in a 10 minute classroom presentation to an audience of their peers allowing an additional 5 minutes session for questions and answers. This presentation should be well organized and explain why the student selected the specific issue, the current state of the issue and it's impact on the healthcare delivery system, and how the presenter would like to see changes made with respect to their selected issue. Grading for this presentation will be as follow:

1. Identification and articulation of the issue. 20%

2. Description of the impact of the issue on healthcare delivery supported with references. 40%

3. Description of a plan for improvement. 20%

4. Ability to professionally present, articulate, maintain eye contact, organization, ability to engage your audience, and AV presentation. 20%

Guidelines for Portfolio Project

As a Professional Nurse Anesthetist, you will be expected to present yourself for a formal interview with prospective employers, at professional conferences, and meetings as well as possibly seek Advanced Practice Nursing Licensure. In an effort to prepare you for these experiences, you will be required to compile a professional portfolio.

Your Portfolio should include the following components. Your grades will be weighted as indicated:

- Resume or Curriculum Vitae **50%**
- Copy of your nursing licenses, certifications, etc. **5%**
- Summary/description of the clinical experiences you have participated in during you education. **10%**
  - Ie "during my 8 week cardiothoracic rotation I became well versed in the placement of invasive monitors."
- List of procedures you have had the opportunity to perform. **5%**
  - Your Typhon totals are acceptable
- Samples of your scholarly publications, abstracts, and presentations. **5%**
- A copy of ***all*** Nurse Anesthesia and MSN course syllabi that you have taken. **10%**
- A copy of the Standards and Scope of Practice for the CRNA. **5%**
- Create a one page job description for a position you picture yourself seeking upon graduation. This can be in the form of a classified add or as a narrative. **10%**
  - Job responsibilities & duties
  - Supervision and collaboration
  - Practice setting
  - Performance appraisal (how should you be evaluated, by whom, and how often)

This ***PROFESSIONAL PORTFOLIO*** maybe submitted via hardcopy in a professional manner (ie in a binder with tabbed dividers) or electronically in a professional e-portfolio format. ***This assignment will NOT be accepted in a file folder or as an email attachment!*** There are many electronic possibilities for this assignment**.** The following is an abbreviated list for your consideration of several options that are free:

1. Weebly

http://www.slideshare.net/akashabanks/how-to-make-a-weebly-portfolio

2. Wordpress

http://en.wordpress.com/portfolios/

3. Mahara

https://mahara.org/

4. Typhon

https://www.typhongroup.net/nast/data/myportfolio1.asp?facility=7048&userid=1199yd62WjiVVQxSBwmQyk72XR31Dx87Be4QAL0Nfr5E&FacToken=ohar98hljkaghn7g1374ASOjCeLRv19FTEJIbAmQU7&arch

Remember you may still opt to submit this assignment in a hardcopy format.

REQUIRED TEXTS:

Stoelting, R. & Hiller, R. (2000). Basics of Anesthesia 4th Ed. New York: Churchill Livingstone.

RECOMMENDED TEXTS:

Bankert, M. (2004). Watchful Care: A history of America's Nurse Anesthetists. AANA Publishing

Foster, S. D. & Faut-Callahan, M. (2011). A Professional Study and Resource Guide For The CRNA. AANA Publishing

WEEKLY TOPICAL OUTLINE: TUESDAY 1-4 PM

Day/Time	*Topic*	*Objectives*	*Readings*
Week 1 8-26-14	Self directed review of anesthesia material as indicated on study guide **Self Directed Study Guide Due**	6	Student assigned as outlined on study guide
Week 2 9-2-14	Self directed review of anesthesia material as indicated on study guide	6	Student assigned as outlined on study guide
Week 3 9-9-14	Self directed review of anesthesia material as indicated on study guide	6	Student assigned as outlined on study guide
Week 4 09-16-14	Annual AANA meeting	2,3,5	
Week 5 09-23-14 R. Shearer	Neuro surgical anesthesia (continued from morning lecture)		
Week 6 09-30-14 John Tuton Russ Lynn	CV construction workshop, PENN Career Services Review of syllabus and course expectations	5	handouts
Week 7 10-7-14 H. Morgan	The Impact of Reimbursement on the healthcare delivery system; *Anesthesia Economics 101*	7	As assigned and posted
Week 8 10-14-14 K Kinslow	Professionalism and Leadership within the Practice for Nurse Anesthetists	2,3,5	As assigned and posted
Week 9 10-21-14 R. Lynn	Professional Advocacy & Impact of state legislation and regulation on advanced practice nursing **Professional Portfolio Due**	2,3,7,8,9	As Assigned and posted
Week 10 10-28-14 H Morgan	Continuous Quality Improvement: systematic and continuous actions that lead to measurable improvement in health care	1,7,8	As Assigned and posted
Week 11 11-4-14 K. Kinslow	Patient Safety…from a systems perspective, are we doing the right thing?	8	As assigned and posted
Week 12 11-11-14 Dale Lanks	Medical-Legal implications associated with Nurse Anesthesia Practice	4	As assigned and posted
Week 13 11-18-14	Ethical implications in anesthesia practice: *A case of what would you do?*	9	As assigned and posted
Week 14 11-25-14	**No Class Thanksgiving**		
Week 15 12-2-14	Student Presentations of Issue Paper **Professional Issues Paper Due**	1-9	
Week 15 12-9-14	Student Presentations of Issue Paper	1-9	