

School of Veterinary Medicine Class Organization Information

Course No: VCS 163

Fall Semester: 2007

Course name: Principles of Anesthesia and Surgical Nursing

Course meets: Lecture: Monday and Wednesday 7:30-8:20am VTPH 112

Lab: Mondays 8:30-11:20am B260

Staff member responsible for coordination/grading: Marianne D'Altilio, MS, RVT

Assisting Instructor: Kim Zody, BS, RVT

Faculty Advisor: Dr. Ann Weil, MS, DVM, DACVA

Grade in course is based on (% for each):

Hour Exams: 50%

Final Exam: 20%

Short Quizzes: 5%

Lab Performance: 25%

A= 90-100%

B= 80-89%

C= 70-79%

D= 60-69%

Policy on Academic Dishonesty: Failure of Course.

[Academic dishonesty is defined as an intentional act of cheating and deceit while fulfilling academic requirements as a Purdue student. Plagiarism, fabrication of information, the use of substitutes for taking examinations, the use of unauthorized cribs, copying during examinations, and impermissible collaboration on assignments are examples of academic dishonesty. Also, the aid and abet other students in committing these dishonest acts is considered academic dishonesty (from SVM Admin Doc. #20: after University Regulations, 1992-93, Part V, Section III-B-2a, page 381)].

Health Risks

“Veterinary technician and technology education has inherent risks that naturally arise from working with animals, and the biohazardous materials and compounds normally associated with the care and treatment of veterinary patients. These risks include, but are not limited to, physical injuries from animals (bites, kicks, scratches, etc), zoonotic diseases that can potentially be transmitted from animals to man, allergic reactions from animal contact, as well as contact with potentially hazardous chemicals, reagents and biological wastes associated with veterinary medicine. Instructors will take due diligence to provide a safe educational environment. However, it is also incumbent upon the individual student to take the responsibility to be informed of the potential hazards inherent in the veterinary environment and of the reasonable actions needed to be taken by the individual to protect themselves. Further information on potential risks can be found at the following Purdue web site:

<http://www.purdue.edu/research/vpr/compliance/animals/occhealth.shtml>”

“In the event of a mandated cessation of classes, the syllabus of this course may need to be modified in order to accommodate the disruption of scheduled classes, laboratories, or other activities for this course. If such a situation arises, you would need to contact Marianne D’Altilio at the following telephone number, 48495. You may also contact me via e-mail at mdaltili@purdue.edu. Official suspension and resumption of university classes will be announced by Purdue University administration.”

VCS 163 Course Objectives Fall 2007

This course is an **introduction** to surgical nursing and anesthesia. The principles of asepsis and sterile technique will be introduced and demonstrated by staff and in some cases, practiced by the student. The **basics** of anesthesia will be introduced and practiced by the student.

The following is a list of some of the objectives to be accomplished in this class.

- identify basic surgical instruments
- state the principles of aseptic technique
- identify breaks in aseptic technique
- perform open gloving
- perform aseptic personnel scrub; gowning and closed gloving
- identify the parts of an anesthesia machine
- know the function of the above parts
- trace the flow of oxygen through an anesthetic machine, with rebreathing and nonrebreathing systems
- identify rebreathing and nonrebreathing systems
- practice monitoring principles and identify normal parameters
- identify and variety of analgesic and anesthetic drugs
- begin to identify and state the uses and classifications of these drugs
- perform general anesthesia; from physical exam through recovery

Instructors: Marianne D’Altilio, MS, RVT; Kim Zody, BS, RVT
Guest lectures from the Veterinary Teaching Hospital (clinicians and technicians)

Attendance: Attendance is required in all lectures and labs. If you are unable to attend lecture or lab, you are expected to call Marianne D’Altilio, 494-8495 (office/voice mail) and leave a message. (e-mail: mdaltili@purdue.edu)

Office Location: 1266A (I can also be found in small animal surgery prep (G578) or in B260)

Office hours: Monday 12:00pm- 4:00pm, Wednesday 9-12pm, or as individually scheduled.

Dress for lab: Wear smocks and name tags for every lab. Scrubs will be required for the labs on 8/27, 9/10, 9/17 and 10/15 through 12/3.

Assignments: Students are expected to have studied reading assignments in advance of class. Weekly quizzes may be over lectures, lab and/or reading assignments. Unannounced quizzes are possible. Notes should be taken during labs-test questions will come from lab.

Quizzes: Quizzes will be given during lab time. No quizzes will be made up because of absences. **(exams will be made up at the discretion of the instructor)**. Quizzes may cover assignments or material from current or previous labs or lectures. Occasional unannounced quizzes may be given in lecture. A grade for each lab will be assigned based upon attendance and participation in lab.

Texts: McKelvey and Hollingshead; Small Animal Anesthesia and Analgesia, 3rd edition; McCurnin, Clinical Textbook for Veterinary Technicians, 6th edition.

Class Notes: Purchase from the bookstore

Grading: Grades will be computed on a point and percentage system. Missed quizzes can not be made up. Missed exams can only be made up in the case of an excused absence. Exam questions will come from lecture, lab and reading materials. Final exam will be comprehensive.

VCS 163
Principles of Anesthesia and Surgical Nursing
Fall 2007

Date	Instructor	Lecture	Lab
M 8/20	M. D'Altilio	Course Introduction: Anesthesia hazards in the workplace	Instrument identification and suture material
W 8/22	S. Stephenson	Sterilization	
M 8/27	M. D'Altilio	Aseptic Technique	Personnel prep, OR conduct, sterile technique
W 8/29	A. P. Navarre	Wound Healing	
M 9/3	Labor	Day No Class	Or Lab
W 9/5	M. D'Altilio	Surgical Site Preparation	
M 9/10	M. D'Altilio	Surgical Nursing	Continuation of Lab #2
W 9/12	M. D'Altilio	Surgical Nursing	
M 9/17	M. D'Altilio	Bandaging	Bandaging
W 9/19	M. D'Altilio	Exam #1	
M 9/24	A. Huffman	Anesthetic systems; Small Animal anesthetic techniques	Suturing
W 9/26	Fall	Conference	No Class
M 10/1	Dr. A. Weil	Pre-anesthetic agents	Anesthesia machine
W 10/3	Dr. A. Weil	Pre-anesthetic agents cont.	
M 10/8	October	Break No Class	Or Lab
W10/10	Dr. A. Weil	Injectable anesthetics	
M 10/15	A. Huffman	Anesthetic monitoring	Pre-anesthetics/ anesthetic systems & machine review/ Pre lab for general anesthesia
W10/17	Dr. A. Weil	Inhalant anesthetics	
M 10/22		Exam #2	Canine Anesthesia # 1, monitoring and maintenance
W10/24	H. Latshaw	Respiratory physiology and anesthesia	
M 10/29	H. Latshaw	Cardiovascular physiology and anesthesia	Canine Anesthesia # 2 monitoring and maintenance
W10/31	A. Huffman	Anesthetic Emergencies- Respiratory	
M 11/5	C. LaCombe	Intensive care after anesthesia	Canine Anesthesia # 3, monitoring and maintenance
W 11/7	C. LaCombe	Pocket Pet Anesthesia	

M 11/12	A. Huffman	Anesthetic Emergencies- Cardiac	Canine Anesthesia # 4, Monitoring and maintenance
W11/14		Exam # 3	
M 11/19	Dr. A. Weil	Pain Management	Canine anesthesia #5, Jugular Catheter placement
W11/21	Thanksgiving	Break No Class	Or Lab
M 11/26	A. Huffman	Large Animal Anesthesia	Canine Anesthesia #6 urinary catheter placement
W11/28	A. Huffman	Large animal anesthesia	
M 12/3	A. Huffman	Large animal anesthesia	Canine Anesthesia #7 Dental prophylaxis
W 12/5	M. D'Altilio	Review/Jeopardy	
12/10- 12/15	Finals	Week	

Textbook Reading Assignments 2007

<u>Date</u>	<u>Topic</u>	<u>Reading Assignment</u>
8/20/07	Workplace safety Lab: General Surgical Instruments	McCurnin: 1152-1158; Mosby 217-237 McCurnin 670-677;733-739
8/22	Sterilization	McCurnin: 691-692; 697-703
8/27	Aseptic technique Lab: Operating room conduct	McCurnin: 692-696 McCurnin: 705-721
8/29	Wound Healing	McCurnin: 135-141; 152-153
9/5	Surgical Site Preparation	McCurnin: 703-705
9/10	Surgical Nursing	McCurnin: 705-715
9/12	Surgical Nursing	McCurnin: 716-732
9/17	Bandaging	McCurnin: 141-147; 153-163
9/24	Anesthetic systems/techniques	Mosby: 165-200; 62-64; 286-310
10/1,10/3	Preanesthetic agents	Mosby: 22-50
10/10, 10/17	Anesthetic agents Lab: Anesthesia preparation	Mosby: 119-142 Mosby: 65-75
10/15	Monitoring principles and Equipment	Mosby: 75-115
10/31 & 11/12	Anesthetic Emergencies	Mosby: 238-285
11/7	Pocket Pet Anesthesia	Mosby: 350-386
11/19	Pain Management	Mosby: 315-346
11/26,11/28 &12/3	Large Animal Anesthesia	Mosby: Chapter 10

Class Notes Reading Assignments

Date	Topic	Assignment
8/20 Lecture	Anesthesia Hazards	1-2
8/20 Lab	Surgical Instruments	3-41
8/22	Sterilization	47-51
8/27	Aseptic Technique	52-53
8/29	Wound Healing	42-46
9/5	Surgical Site Preparation	54-56
9/10, 9/12	Surgical Nursing	57-62
9/17	Bandaging	63-66
9/24	Anesthetic systems	67-68
10/1, 10/3	Preanesthetic agents	69-87
10/10	Injectable anesthetics	88-95
10/15	Anesthetic monitoring	96-98
10/17	Inhalant anesthetics	99-109
10/31, 11/12	Anesthetic Emergencies	122-125
11/5	Intensive Care after anesthesia	126-130
11/7	Pocket Pet Anesthesia	131-139
11/19	Pain Management	110-121
11/26, 11/28, 12/3	Large Animal Anesthesia	140-158