CONTACT INFORMATION:
Nathalie Rademacher, Dr.med.vet., Dipl. ACVR, Dipl. ECVDI (Radiology Course Coordinator)
Professor Diagnostic Imaging
Office: Room 2217 (Clinics) 225 578 9506 (Office) 225 578 9874
Email: nrademac@lsu.edu

<table>
<thead>
<tr>
<th>Faculty Diagnostic Imaging</th>
<th>Email</th>
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</thead>
<tbody>
<tr>
<td>Dr. N. Rademacher</td>
<td><a href="mailto:nrademac@lsu.edu">nrademac@lsu.edu</a></td>
</tr>
<tr>
<td>Dr. L. Gaschen</td>
<td><a href="mailto:lgaschen@lsu.edu">lgaschen@lsu.edu</a></td>
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<tr>
<td>Dr. L. Abbi Granger</td>
<td><a href="mailto:lagranger@lsu.edu">lagranger@lsu.edu</a></td>
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<tr>
<td>Dr. Hayley Paradise</td>
<td><a href="mailto:hparadise@lsu.edu">hparadise@lsu.edu</a></td>
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</tbody>
</table>

Diagnostic Imaging Residents
Dr. Rachel Jania
Dr. Samantha Miles
Dr. Kassandra Wilson
Dr. Carolyn Blank

Diagnostic Imaging Technical Staff
Mark Hunter
Rouchelle Gage
Dawn Kelley
Ashley O’Neal Kleinpeter

Due to clinic service of faculty, consistent office hours are not available. It is recommended that meeting time and location be agreed upon via email.
COURSE MATERIALS:

*Moodle:*

Please view additional materials via login to Moodle by login to your myLSU account:

[http://itsweb.lsu.edu/Moodle/](http://itsweb.lsu.edu/Moodle/)

*Recommended Text(s):*


COURSE DESCRIPTION:

**Goal/Rationale of the Course**

The 2-week clinical Diagnostic Imaging rotation is designed as a continuation of the radiographic principles introduced in phase I courses to practice concepts of radiation safety, radiographic image interpretation, anatomy and diagnostic skills. In addition, radiation safety, equipment use, quality control and acquisition of the common radiographic views of the thorax, abdomen, and musculoskeletal system of all species will be practiced in the clinical setting of the teaching hospital. Specific and common clinical disease processes will be discussed in topic morning rounds using clinical case examples.

**COURSE OBJECTIVES:**

<table>
<thead>
<tr>
<th>After this rotation, you should be able to</th>
<th>List keywords for each objective</th>
</tr>
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<tbody>
<tr>
<td>1. Acquire radiographs of diagnostic quality of all species and all regions</td>
<td>Diagnostic Quality</td>
</tr>
<tr>
<td>2. Use the radiographic equipment</td>
<td>Radiographic equipment</td>
</tr>
<tr>
<td>3. Apply current radiation safety principles to reduce radiation exposure</td>
<td>Radiation safety, radiation exposure</td>
</tr>
<tr>
<td>4. List indications for radiographic studies</td>
<td>Radiographs, indications</td>
</tr>
<tr>
<td>5. Systematically assess and describe radiographic images using roentgen signs and the 5 Roentgen opacities</td>
<td>Roentgen signs, Roentgen opacities</td>
</tr>
<tr>
<td>6. Identify normal anatomical structures in each imaging study</td>
<td>Radiographic anatomy</td>
</tr>
<tr>
<td>7. Recognize abnormal findings in imaging studies</td>
<td>Imaging studies, radiographic abnormalities</td>
</tr>
<tr>
<td>8. List pathological conditions that can produce given abnormal image findings</td>
<td>Radiographic pathology, pathophysiology, imaging findings</td>
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<tr>
<td>9. Formulate differential diagnoses based on the pattern of observed abnormal image finding</td>
<td>Differential diagnosis, imaging findings</td>
</tr>
<tr>
<td>10. Propose a final diagnosis based on the image findings and clinical presentation</td>
<td>Radiographic diagnosis, clinical presentation</td>
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</tbody>
</table>

**TEACHING PHILOSOPHY:**

Radiology plays a vital role for the practicing veterinarian as it has impact on therapeutic and prognostic decisions in the care of an animal. The intent of the course is to familiarize the veterinary student with the basic principles of radiographic equipment, animal positioning, image acquisition, radiation safety and radiographic image interpretation. Radiographic positioning and exposure settings are vital in order to acquire radiographs of high diagnostic quality so that they can be interpreted whilst applying radiation safety principles. This is usually the responsibility of the attending veterinarian. Radiographic interpretation through description can be difficult for many beginning and experienced veterinarians alike. To demonstrate the art of image interpretation, numerous images and case examples are used that are better internalized in person rather than on paper and require interaction between the student and teacher so that key concepts are correctly set early on. Expand your radiology knowledge through independent study, direct conversations with mentors, using the teaching file and books and bones provided for you in radiology.
COURSE POLICIES:

Dress code:
Practical and professional attire is required: sturdy shoes, long pants (slacks or jeans without rips or tears) or scrubs are acceptable. Unacceptable are open toed shoes (that includes Flip flops), dresses or gym/athletic wear (yoga pants, running shorts, gym tank tops, etc), pajamas. Shirts with inappropriate picture or language are not appropriate. Students not dressed accordingly will be sent home to change their clothes.

Orientation & Scheduling:
MS Teams will be set up for the group for all messaging and organization. Meeting Codes for zoom (https://lsu.zoom.us/) are as follows and the instructor in charge will post via MS teams at the beginning of the rotation:

- a. Granger 828 962 0068
- b. Gaschen 353 032 8590
- c. Paradise 485 511 7355
- d. Rademacher 734 487 0057
- e. Jania 530 605 2364
- f. Miles 340 073 2191
- g. Wilson 735 012 3720
- h. Blank 983 102 7111

All students must attend the radiology orientation meeting on the first day of the block at 8 AM on zoom. Emergency and work schedules will be assigned during orientation/during this first day. Students are allowed to make emergency shift schedule switches as long as they are clearly marked on the master calendar posted in ICU and radiology. However, if a switch is made and one student fails to show up for the shift, it is the original student’s responsibility. Repeated problems with switching must be brought to the course director’s attention.

Attendance/Lateness Policy
Absences must be pre-approved by the radiology faculty on clinic duty. One day is allowed per 2-week rotation. Unexcused absences and tardiness will result in an incomplete grade and students will be required to repeat the rotation. Missed days that are made up will not count towards the total allowable excused absences. Please see Phase II attendance requirements below.

NAVLE scheduling: Only 1 student per day can request a day off for NAVLE testing and must get approval from the Course Coordinator PRIOR to scheduling the NAVLE Date to avoid having multiple students off the same day.

House Keeping:
10 Computer workstations are available to access the teaching file and eFilm for review of imaging studies. These computers are not to be used to access Facebook, online shopping or gaming sites. If violated, will result in a course grade “C”. Personal items need to be stored in student lockers and or in the green cabinet next to the Nuc Med room in radiology. Personal items are not allowed in radiology (hallways, student work area, etc). Food and drinks are not allowed in the reading room, hallways or radiographic rooms. The black fridge near large animal radiographic suite is for student use. Please use the microwave in the Dermatology rounds room. The radiology microwave or fridge are for radiology staff and faculty only.

Emergency rounds
Emergency rounds are held Monday morning between 7.30-8am in the radiology reading room to discuss cases and radiographs presented to the hospital overnight. Every student is welcome to attend.

Procedures for radiographing your patients
1. Check with Technologists to be certain that the examination may be performed at that particular time
2. Have fellow student bring patient to Radiology
3. ID Bands: Radiology will NOT image a patient without an ID band. Radiology may remove ID bands from patients while diagnostic imaging is being performed.
   a. It is the responsibility of whomever is transporting patient to radiology to ensure there is second ID band accompanying the patient.
b. It is the responsibility of radiology to put the second band on the patient once diagnostic imaging is complete, if the original band is removed.

4. Enter patient information and select body region on workstation in room

5. Position the patient for the first projection and measure part thickness at point of greatest thickness. Note: Standard focal distance from the X-Ray tube to sensor panel is 40 inches (room 2 listed as 117cm)

6. Set the kVp according to the technique chart for that measurement. Adjust mA and time if necessary

7. Place the marker in proper place relative to position or projection and complete positioning of the patient.

8. When satisfied with position, prepare to make exposure by pressing the hand-switch until “boost” is achieved. Please try not to “boost” more than 5 seconds. When all conditions are satisfactory, depress the hand-switch without lifting your finger. Note that exposure is completed when “beep” tone is sounded

9. On preview monitor, check positioning and exposure, and if necessary, adjust for a retake. If satisfied adjust patient orientation.
   a. Patients head to the left (lateral views)
   b. Head to the top of image (VD/DV)
   c. Extremities: proximal on top of image

10. When examination is completed, send all images to the PACS server and show radiographs to Radiologist on floor duty. If judged satisfactory and complete, end study and have Technologists place a fee and approval on the request form.

11. Return the patient back to the stall or cage (unless going to ultrasound) and evaluate radiographs.

Natural Disasters (Hurricanes, etc)
Hurricane Season officially runs from June 1st - Nov. 30th. The projected path of tropical storms/hurricanes are mapped by the National Hurricane Center: [http://www.nhc.noaa.gov/?atlc](http://www.nhc.noaa.gov/?atlc). Please stay aware of impending storm systems. Staff and students of the VTHC are “essential personnel” during disasters affecting our community. The clinic schedule and student responsibilities may change during such events. Students may be required to participate in VTH emergency response efforts depending upon need and safety. Please check in with the radiology faculty on clinics daily beginning 72 hours prior to any storm landfall projected for Louisiana. If you are asked to report for duty during an emergency, your personal safety is the number one priority. Use common sense in your commute and alert the radiology faculty on clinics (225-578-9506) if you are unable to arrive safely.

Preparedness begins at home. Please view the section on hurricane preparedness on Moodle and make sure you and your household are prepared (also visit: [http://www.getagameplan.org/](http://www.getagameplan.org/)).

Home Football Games
Travel to the VTH during football season can be an adventure. Here is some general advice for negotiating the obstacles.

1. Be sure to have your SVM identification badge with you.
2. Approach the SVM via River Road along the levee (rather than Highland Rd).
3. There should be staff, student, and client parking reserved in front of the building for those needing access to the hospital.
4. If there is no parking, contact the campus police officer on duty (225-578-9811) to permit access to the equine clinic parking and parking behind the Dean's office (behind the gate).

GRADING/EVALUATION:

<table>
<thead>
<tr>
<th></th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Topic rounds</td>
<td>30%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>30%</td>
</tr>
<tr>
<td>Technical evaluation</td>
<td>30%</td>
</tr>
<tr>
<td>Attitude and Responsibility</td>
<td>10%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
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**Topic Rounds (30% of final grade):**
Topic morning rounds account for 30% of the total grade. Students will be evaluated regarding full and prompt attendance at all rounds, radiographic description and interpretation skills, knowledge of anatomy and pathophysiology as it pertains to radiology as well as participation in small group discussions. Cases are available in advance on Moodle (can be
downloaded per day as a folder). A generic report template is available on Moodle that can be used that has the same format as the Friday quizzes.

Quizzes (30% of final grade):
Radiation safety quiz (on Moodle) is to be completed the first day of the rotation with a minimum of 6 points (total of 10 points). Completion and passing grades of all quizzes are required to complete the rotation. One short practical quiz (describe radiographic studies and formulate a radiographic diagnosis/diagnoses for 5 cases in a 60-minute period, having 12 minutes per case) is administered every Friday morning during the rotation (two total) using ExamSoft. If you do not have access to the LSU examsoft system, contact Stephanie James at Student Affairs (svmstudentaffair@lsu.edu or sjames10@lsu.edu) for credentials. Start code will be distributed by the resident or faculty on clinics. Attempts to copy or reproduce quizzes/questions for others’ use is a violation of academic honor. Use of cell phones during the exam is not allowed. **Attempts to copy or reproduce quizzes/questions for others’ use is a violation of academic honor.**

- Attendance to quizzes is mandatory
- An unexcused absence will result in a zero for that quiz
- Make-up quizzes will only be provided with documented excused absences
- Students are required to inform instructors about any approved testing accommodations.

ExamSoft Syllabus Statement
Students are responsible for the maintenance of their approved personal devices and Examplify® software. Students are required to bring approved personal devices and privacy screens for all exams and indicated assignments. Lack of preparation may result in an inability to take the exam, adjustments to course grades at the discretion of the course coordinator, and/or an unprofessional conduct referral.

Any problems with Examplify® or ExamSoft® can be addressed via phone to Student Tech Support at 866.429.8889, email to support@examsoft.com, or live chat at www.examsoft.com/about/support. LSU SVM provides additional, on-site, technical support for student technology issues regarding Examplify® or ExamSoft®, via the IT helpdesk, between 7:30am and 4:30pm Monday- Friday. Faculty will not troubleshoot your technology issues.

Students found improperly using ExamSoft® or Examplify® to gain unfair academic advantage are violating the LSU Code of Student Conduct. Violations such as “academic dishonesty” and/or “professional misconduct” would include but are not limited to using a classmate’s login/password, tampering with exam files, and falsifying upload or download information, or any attempt to circumvent the security features of the software.

Technician Evaluation (30% of final grade):
Students are evaluated regarding technical skills (radiation safety, technical abilities, attitude, time management, professional communication) and participation while part of the radiology team by the radiology technologists. Participation includes full and prompt attendance at all rounds, fulfillment of course paperwork, participation in the clinical hospital service, and other requirements.

Attitude and Responsibility (10% of final grade):
Courtesy, honesty, timeliness and teamwork are expected from each student beginning with your first contact with faculty and staff in radiology extending to the hospital throughout your entire block.

Final Grade:
**NOTE Rotation is PASS/FAIL Grading until end of 2020 due to COVID based on the break down listed**

Grades will be rounded to the nearest percentage point and are based on the standard LSUSVM percentages:

<table>
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<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A+</td>
<td>97-100</td>
</tr>
<tr>
<td>A</td>
<td>93-96</td>
</tr>
<tr>
<td>A-</td>
<td>90-92</td>
</tr>
<tr>
<td>B+</td>
<td>87-89</td>
</tr>
<tr>
<td>B</td>
<td>83-86</td>
</tr>
<tr>
<td>B-</td>
<td>80-82</td>
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</table>
Competencies will be completed online using E*Value, to provide feedback and recommendations for improvement by the faculty in charge of topic morning rounds. Evaluation will be completed weekly and send out to students with a summary at the end of the block provided.

ASSIGNMENTS/RESPONSIBILITIES:

Radiation safety
On your first day of your rotation, complete the radiation safety paper found on Moodle by login to your myLSU account: http://itsweb.lsu.edu/Moodle/ and complete the radiation safety quiz on your first day. You have to pass this quiz with a minimum of 6 points.

Failure to follow radiation safety protocols (lead gloves, lead apron, thyroid shield and proper positioning techniques (sedation and sandbags, positioning devices) will result in the student having to retake the Moodle Radiation Safety Quiz.

Badges
Badges measure radiation exposure using a radiation sensitive film in a plastic holder and are developed by the film badge company every month. These readings are stored in a secure database in a lifelong document associated with your social security number. The badges are stored on the wall in the closet with the radiology staff fridge. If you do not find your badge, please inform Dawn Kelley in radiology. Do not take badges home under any circumstance since they can be exposed by light, pressure and heat, which will result in a false reading. Keep them clipped to the request box in the radiology hallway when not in use and during emergency coverage.

Please inform radiology in case of a pregnancy, so we can arrange for the additional fetal radiation badge and review other safety measures to keep you safe during your pregnancy. The declaration of your pregnancy is voluntary and limits the exposure of the fetus to 5 mSv.

Acquiring Radiographs/Technical Abilities/Radiation Safety
Students are responsible for acquisition of radiographs of clinical cases presented to the teaching hospital. A radiology technologist, radiology house officer or radiologist must supervise all studies when in the rooms to ensure that radiation safety, positioning, collimation, exposure etc. are applied correctly. This is an excellent opportunity to learn how to position animals to acquire radiographs of excellent diagnostic quality in clinical patients as well as see a variety of normal and abnormal radiographs.

Duties include:
- Assisting other radiology students with image acquisition under supervision of a technologist
- Get approval from the radiologist or resident on duty
- Submit request form to technologist for fee assessment upon completion
- Cleaning the radiology tables after each examination and the floors in small and large animal rooms at 4.30 PM every day
- Hanging lead aprons, thyroid shields and gloves on provided racks in each room

Emergency Coverage
Emergency service (weekdays, weekends and holidays) will be assigned on the first day of the block. Students are allowed to make emergency shift schedule switches as long as they are clearly mark the changes on the master calendar posted in ICU and radiology. However, if a switch is made and one student fails to show up for the shift, it is the original student’s responsibility. Repeated problems with switching must be brought to the course director’s attention. Emergency radiographs are to be made only by the Radiology student on duty to ensure complete studies, proper orientation and excellent diagnostic quality pending patient condition as well as enforcing radiation safety protocols. This includes sedation of patients, proper technique, proper holding assistance and collimation. A radiology request (typically printed out) must
be submitted with the complete animal’s information and history. Write your phone number on the white board in radiology in the designated field. In addition, you are required to check in with ICU personnel at the start of your emergency shift (presence in the building is required) to help with ICU treatments according to their specifications (unless you are busy taking emergency radiographs). Shifts include the following:

- Weekdays from 5 pm – 10 pm
- Weekends and holidays 9am -5pm and 3pm-11 pm

**Topic Morning Rounds**

Topic rounds take place in the radiology reading room. Friday quizzes might take place in the radiology reading room, or library conference room. Cases are available in advance on Moodle with a generic report template. Preparation in advance on topics and provided cases provided on Moodle is expected. A more detailed schedule of topics can be found below. Each student will be asked to describe a random case (from Moodle) aloud using the systematic approach and Roentgen signs and to formulate an appropriate diagnosis with differential diagnosis based on image description provided by the student. All daily cases provided on Moodle need to be prepared by each student to maximize the learning experience and prepare the student for being randomly chosen to present any given case.

**Feedback**

Please provide feedback by the end of the block found on Moodle by login to your myLSU account: [http://itsweb.lsu.edu/Moodle/](http://itsweb.lsu.edu/Moodle/)

**COURSE CONTENT AND OUTLINE:**

The radiology rotation creates ample opportunity for self-study and technical training.

<table>
<thead>
<tr>
<th>Topics</th>
<th>Days</th>
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<tbody>
<tr>
<td>Abdomen</td>
<td>2.5 days</td>
</tr>
<tr>
<td>Thorax Cardiology – congenital and acquired</td>
<td>2.5 days</td>
</tr>
<tr>
<td>MSK (SA&amp;LA)</td>
<td>2 days</td>
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**Week 1:**
**Monday**
- Radiology orientation starting at 8AM
- Review of radiation safety principles and explanation of radiographic equipment, assignments of clinical and emergency duty, etc.
- Read and review radiation safety material and principles on Moodle
- Radiation Safety Quiz on Moodle
- Introduction to systematic approach and paradigms for thoracic radiography by resident
- Preparation of provided cases on Moodle by 8 am for Tuesday’s morning rounds

**Tuesday through Thursday 8-9.30AM**
- Topic rounds covering small and large animal abdominal and thoracic radiography, see assigned cases on Moodle, prepared in advance by 8 am the day of morning rounds

**Friday 8 – 9.30AM**
- Quiz covering Abdomen and Thorax cases
- Review session of quiz sometime during the day

**Week 2:**
**Monday through Thursday 8-9.30AM**
- Topic rounds with case examples covering small and large animal thoracic and musculoskeletal and axial cases, see assigned cases on Moodle to be prepared in advance

**Friday 8 – 9.30AM**
- Quiz covering Thorax and musculoskeletal cases
- Review session of quiz sometime during the day
RESOURCES:

- Moodle
  - Radiation Safety Paper and presentation by Rouchelle Gage
  - Eklin user guide
  - Book links
  - Contrast Imaging Handbook
  - Anatomy CD Interactive radiographic anatomy program
  - Lecture notes provided by Drs. Granger, Gaschen and Rademacher
  - Teaching files, large animal or small animal biased
- Books in the radiology library in the reading room. These books cannot be taken home and have to be returned to the reading room in the evening.
- Archive of hard copy radiographs are available in the reading room in front of the viewer in the reading room.
- The radiologist and radiology residents are all available and willing to answer any questions related to radiology.

PHOTOGRAPHS AND VIDEO OF PATIENTS:

Photographs and video may be taken of patients for educational purposes (e.g., for use in abstracts, articles, and presentations). Any photographs and video for use by the media may not be taken without the express consent of the patient’s owner. Verbal consent by the animal's owner is an acceptable means of gaining permission to photograph/video the patient. If a member of the hospital is present in the hospital and wishes to take background footage of clinicians and students working with animal, no close-up shots are permitted such that the animal would be identified by its owner. All media requests must be directed to the LSU – School of Veterinary Medicine Public Relations Coordinator.

POSTINGS ON INTERNET/ SOCIAL NETWORKING SITES:

Posting, releasing, or otherwise disclosing photos, identifiable case descriptions, images, or records related to the educational, clinical, or research activities of the LSU - School of Veterinary Medicine, outside of the LSU - School of Veterinary Medicine via social networking sites (e.g. MySpace, Facebook, Twitter, etc.) or via other than standard professional means of query and/or dissemination of educational, clinical, or research information is prohibited. This policy applies to all students, faculty, staff, clients, and visitors of the LSU - School of Veterinary Medicine and to all activities of the LSU - School of Veterinary Medicine, on or off campus, related to veterinary clinical services and teaching and research labs. Pictures of animals (whether owned by University or client), and client information are strictly forbidden from being published or posted on social networking sites such as “Facebook”, “Twitter”, and “Myspace”; and non-educational blogs, message boards, or internet websites; without the prior approval from an appropriate Supervisor, Department Head, Director of the LSU – School of Veterinary Medicine Veterinary Teaching Hospital, or the Director of the Louisiana Animal Disease Diagnostic Laboratory. This policy is to promote the safety and privacy of students, faculty, staff, clients, and visitors. Failure to comply with this policy could result in damage to persons or property, may be a violation of legal, professional, and/or ethical obligations, and may result in disciplinary action by the LSU - School of Veterinary Medicine, up to and including dismissal.

ATTENDANCE REQUIREMENT

All students in the Phase II curriculum may be allowed a maximum of six (6) excused absences (this may be days or portions thereof, depending on the desires of the block mentor and course coordinator) which require no form of remediation. Additional days, for the days of the examination only, will be allowed to take the North American Licensing Examination. Examples of excused absences that may be allowed are: job interviews, state board examinations, family emergencies, illness, and attendance of professional meetings.

The block mentor shall have the final authority on granting an excused absence. Resolution of a dispute over excused absences shall be the duty of the Associate Dean for Student Affairs. Block mentors will be encouraged to allow any necessary excused absence, however insufficient student numbers on a block may preclude the approval of an excused absence. A maximum of two excused absences will be allowed per four-week block and one excused absence per two-week block. If a student exceeds the number of excused absences allowed per block then remediation may be required to pass the block (such as additional assignments or making up time lost).

If a student misses more than 2 days in any block’s grading period, then remediation may be required. These missed days include boards and excused absences (i.e. travel to and from boards and the boards). All excused absences greater than the...
six days allowed may require remediation. A written notification to the Associate Dean for Student Affairs for approval will be required at least four weeks in advance in anticipation of any anticipated excused absence over 6, or as soon as possible after an unanticipated excused absence. The Course Coordinators will forward a copy of any excused absence to the VCS office for tabulation. A written confirmation of the absence may be required. A written excuse may be required. If a written excuse cannot be obtained, then the absence will be considered unexcused. Any unexcused absence will require remediation and/or possible failure of the block.

REMEDIATION AND REASSESSMENT
If a remediation and reassessment is indicated per the SVM policy guidelines, it will be granted. The nature of the remediation and reassessment will be determined at the time of the request by the course committee in a timely fashion.

LSU SCHOOL OF VETERINARY MEDICINE ACADEMIC MISCONDUCT POLICY:
The LSU Code of Student Conduct applies to the School of Veterinary Medicine within the Code is the Academic Misconduct Policy, which outlines the School of Veterinary Medicine expectations for the integrity of students’ academic work, the procedures for resolving alleged violations of those expectations, and the rights and responsibilities of students and faculty members throughout the process. Students are responsible for reading the LSU Code of Student Conduct Policy and for living up to their pledge not to violate the Code.

I. It shall be a violation of this Code for a student to cheat.
II. It shall be a violation of this Code for a student to knowingly circumvent any course requirement.
III. It shall be a violation of this Code for a student to steal.
IV. It shall be a violation of this Code for a student to purposely impair another student’s educational opportunity.
V. It shall be a violation to act in a manner which is detrimental to the moral and ethical standards of the veterinary medical profession.
VI. It shall be a violation for a student to knowingly deceive another student, faculty member, or professional associate with the intent to gain advantage, academic or otherwise, for said student or for any other student.
VII. It shall be a violation for any student to fail to report any infraction of the LSU Code of Student Conduct Policy to an appropriate representative.

LSU Code of Student Conduct can be found at: http://saa.lsu.edu/code-student-conduct

Behavioral Misconduct
Per section 5.1 of the Code of Student Conduct, the Code applies to conduct that occurs on the Campus, at LSU-sponsored activities, and/or when the Student or Registered Student Organization is representing LSU. The University shall have discretion to extend jurisdiction over conduct that occurs off campus when the conduct adversely and significantly affects the learning environment or University community and would be in violation of the Code if the conduct had occurred on campus. This includes behavior that may occur in a remote learning environment, such as email, discussion forums, zoom webinars, or any other platform or solution used for a course. In determining whether to extend jurisdiction, the University may consider its ability to gather information. Potential violations of the Code can be reported through LSU Cares.

SEXUAL HARASSMENT POLICY
The University reaffirms and emphasizes its commitment to provide an educational and work environment free from sexual harassment and to provide a means to remedy sexual harassment that employees may have experienced. (PS-73 Sexual Harassment and PS-95 Sexual Harassment of Students)

The intent of this policy is to express the University’s commitment and responsibility to protect its students from sexual harassment and from retaliation for participating in a sexual harassment complaint. It is not intended to infringe upon constitutionally guaranteed rights nor upon academic freedom. In considering allegations of sexual harassment, the University must be concerned with the rights of both the complainant and the accused.

All proven cases of sexual harassment shall result in appropriate disciplinary action. The severity of the disciplinary action shall be consistent with the seriousness of the act of sexual harassment. Additionally, under appropriate circumstances, the
University may take action to protect its students from sexual harassment by individuals who are not students of the University. If the alleged harasser is a student, the Dean of Students Office must be notified of the complaint.

Student Advocacy & Accountability, Office of the Dean of Students, LSU Student Life & Enrollment, 340 LSU Student Union, Baton Rouge, LA 70803, Phone: (225) 578-4307 Fax: (225) 578-5637 dossaa@lsu.edu

GENERAL STATEMENT ON ACADEMIC INTEGRITY:
Louisiana State University adopted the Commitment to Community in 1995 to set forth guidelines for student behavior both inside and outside of the classroom. The Commitment to Community charges students to maintain high standards of academic and personal integrity. All students are expected to read and be familiar with the LSU Code of Student Conduct and Commitment to Community, found online at www.lsu.edu/saa. It is your responsibility as a student at LSU to know and understand the academic standards for our community. Students who are suspected of violating the Code of Conduct will be referred to the office of Student Advocacy & Accountability. For undergraduate students, a first academic violation could result in a zero grade on the assignment or failing the class and disciplinary probation until graduation. For a second academic violation, the result could be suspension from LSU. For graduate students, suspension is the appropriate outcome for the first offense.

GROUP WORK AND UNAUTHORIZED ASSISTANCE:
All work must be completed without assistance unless the faculty member gives explicit permission for group or partner work. This is critical so that the professor can assess your performance on each assignment. If a group/partner project is assigned, the student may still have individual work to complete. Read the syllabus and assignment directions carefully. You might have a project with group work and a follow up report that is independently written. When in doubt, e-mail the faulty member or ask during a class session. Seeking clarification is your responsibility as a student. Assuming group/partner work is okay without permission constitutes a violation of the LSU Code of Student Conduct.

AMERICANS WITH DISABILITIES ACT:
Louisiana State University is committed to providing reasonable accommodations for all persons with disabilities. The syllabus is available in alternate formats upon request.

Students with disabilities: If you are seeking classroom accommodations under the Americans with Disabilities Act, you are required to register with Disability Services (DS). DS is located in 115 Johnston Hall. Phone is 225/578-5919. To receive academic accommodations for this class, please obtain the proper DS forms and meet with me at the beginning of the class. The Office of Student and Academic Affairs can help you if you have questions as well. http://disability.lsu.edu/students

SYLLABUS CHANGE POLICY:
Except for changes that substantially affect implementation of the evaluation (grading) statement, this syllabus is a guide for the course and is subject to change with advanced notice.

Copy Statement
Some of the materials in this course are possibly copyrighted. They are intended for use only by students registered and enrolled in this course and only for instructional activities associated with and for the duration of the course. They may not be retained in another medium or disseminated further. They are provided in compliance with the provisions of the Teach Act (Section 110(1) of the Copyright Act) http://www.copyright.gov/docs/regstat031301.html.
| Competency One: Comprehensive patient diagnosis (problem solving skills), appropriate use of clinical laboratory testing, and record management |
|--------------------------------------------------|-----|------------------|------------------|
| **Course Objective**  | **Assessment Method** | **Teaching Method** |
| 1.2 Patient Assessment/Clinical Thinking Skills | 1, 4, 5, 6, 7, 8, 9, 10 | Oral patient presentation, participation | Case based instruction, small group discussion |
| 1.3 Knowledge Base/Basic Pathophysiology | 1, 4, 5, 6, 7, 8, 9, 10 | Oral patient presentation, participation | Case based instruction, small group discussion, Exam |
| 1.5 Participation in Patient Discussions | 1, 4, 5, 6, 7, 8, 9, 10 | Oral patient presentation, participation | Case based instruction, small group discussion |

| Competency Two: Comprehensive treatment planning including patient referral when indicated |
|--------------------------------------------------|-----|------------------|------------------|
| **Course Objective**  | **Assessment Method** | **Teaching Method** |
| 2.2 Understanding Therapeutic Modalities and Availability (would include knowledge of referral services available) | 1, 4, 5, 6, 7, 8, 9, 10 | Oral patient presentation, participation | Case based instruction, small group discussion, Exam |

| Competency Five: Basic medicine skills, experience and case management |
|--------------------------------------------------|-----|------------------|------------------|
| **Course Objective**  | **Assessment Method** | **Teaching Method** |
| 5.2 Medical experience gained through rotation | 1-10 | Oral patient presentation, participation | Case based instruction, small group discussion |

| Competency Eight: Client communications and ethical conduct |
|--------------------------------------------------|-----|------------------|------------------|
| **Course Objective**  | **Assessment Method** | **Teaching Method** |
| 8.2 Working with Health Care Team | 1, 2, 3, 4 | Clinical performance, participation | Case based instruction, small group discussion, Clinical experience in-patient |
| 8.5 Reliability/Thoroughness/Punctuality/ Appearance | 1-10 | Clinical performance, participation | Case based instruction, small group discussion, Clinical experience in-patient |