PURDUE
VETERINARY MEDICINE

PURDUE UNIVERSITY COLLEGE OF VETERINARY MEDICINE

Veterinary Technology Distance Learning
Spring 2026 version

Small Animal Diagnostic Imaging Mentorship II

VM 21600

Criteria Logbook

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Clinical Mentorship Tasks

1. Video verification of required equipment and supplies
2. Mediolateral projection of the radius/ulna (antebrachium) ††
3. Craniocaudal projection of the radius/ulna (antebrachium) ††
4. Mediolateral projection of the stifle joint (femorotibial) ††
5. Craniocaudal projection of the stifle joint (femorotibial) ††
6. Lateral projection of the pelvis††
7. Ventrodorsal extended projection of the pelvis for canine hip dysplasia screening-(OFA) ††
8. Lateral projection of the skull††
9. Ventrodorsal projection of the skull††
10. Intraoral full mouth dental radiographs **(intubated patient)** ††

ALL SKILLS MUST BE DEMONSTRATED ON LIVE SEDATED ANIMALS. Models or cadavers are not acceptable.

Student Information

Contact Information

Questions regarding this mentorship (tasks, due dates, etc.) should be directed to:
Liane Shaw, MSHE, BS, RVT, VTS-DI
lkshaw@purdue.edu

Questions regarding the overall Clinical Mentorship process should be directed to:
Jennifer Smith, BS, RVT, LATG
Clinical Mentorship Coordinator
jpope@purdue.edu

Animal Use Guidelines

The student shall abide by the following guidelines when performing mentorship tasks:

1. All animals used for demonstration of mentorship skills must be appropriated restrained by another person, for the safety of the patient and the student.
2. A mentorship task may be performed only once on a single animal.
3. A student may perform a maximum of ten (10) minimally invasive tasks (denoted by one dagger symbol (†)) on a single animal within a 24-hour period.
4. A student may perform a maximum of three (3) moderately invasive tasks (denoted by two dagger symbols (††)) on a single animal within a 24-hour period.
5. When combining tasks, a student may perform a maximum of five (5) minimally and three (3) moderately invasive tasks on a single animal within a 24-hour period.
6. Tasks denoted with no dagger symbols do not involve live animal use.

For example, a student might perform the following tasks on an animal in a single day-

- Restrain a patient in sternal recumbency (†)
- Restrain a patient in lateral recumbency (†)
- Restrain a patient for cephalic venipuncture (†)
- Restrain a patient for saphenous venipuncture (†)
- Restrain a patient for jugular venipuncture (†)
- Administer subcutaneous injection(††)
- Administer intramuscular injection(††)
- Intravenous cephalic injection – canine(††)

Failure to comply with the Animal Use Guidelines will result in failure of the Clinical Mentorship.

Ensuring the welfare and safety of animals during handling and restraint is paramount. Proper techniques must be employed to minimize stress and prevent injury. This involves understanding the normal behavior of the animal, using humane methods, and applying the least amount of restraint necessary to achieve the desired outcome. Training in these techniques is essential for all personnel involved in animal care. The use of physical, mechanical, or pharmaceutical restraints should be carefully considered and monitored to ensure they are appropriate and effective.

With this in mind, the student is expected to utilize Fear Free® techniques for animal handling and restraint, as well as ensure that all patients are handled and restrained appropriately when they perform skills. ***Failure to do so will result in consequences ranging from loss of points or repeating the task, up to failure of the course and / or dismissal from the program.***

By adhering to these principles, we can promote the health and well-being of animals while ensuring a safe environment for both patients and veterinary personnel.

Selecting the Clinical Mentorship Site – Facility Requirements

You must visit the Clinical Mentorship Site and determine if the following supplies and equipment are readily available to you for use during your Clinical Mentorship. The mentorship supervisor will verify the availability of required items by completing the Mentorship and Facility Requirement Agreement.

The veterinary care facility must be equipped with the following equipment:

- 300MA / 125KVP x-ray machine (high-output machine for analog or digital radiography)
- X-ray machine technique chart and written standard operating procedures (SOP) for machine usage, and proof of current state certification
- Thyroid shields (2)
- 0.5mm lead aprons (2)
- 0.5mm lead gloves that provide 360 degree coverage of hands (2 pairs)
- Facility provided individual personal radiation exposure monitoring device (dosimetry badge) for all who participate in radiographs (student and each staff member)
- Right and left ***lead*** identification markers
- Patient identification labeling system for digital images that includes ALL the following information **prior to exposure**:
    - Patient first name
    - Patient late name
    - Facility name
    - Date image acquired
- Portable dental radiography machine
- Dental radiography film and chairside developer, or digital unit sensor (DR or CR)

Introduction to Essential Tasks and Criteria

Before starting each task-

1. Read the Goal, Description, Criteria, and Materials to be Submitted for Evaluation and Verification. Understand what is expected for each task.
2. Make sure that all equipment and supplies needed to complete the task are available. Pay particular attention to the details of what needs to be documented and submitted.
3. Make sure to obtain appropriate permissions where necessary. Please inform the facility's owner/manager of activities. A good relationship with the veterinarian in charge is key to having a positive Clinical Mentorship experience.

After performing each task-

1. Label all items submitted so that the materials submitted for evaluation and validation at Purdue are identified as the student's submission. No edited versions of the Task Verification Form (TVF) will be accepted. All submission must be original and unaltered.
2. Label all videos posted to Brightspace with the task number.
3. Submit materials by the deadlines listed in the course syllabus

Introduction to Special Projects

Certain mentorships will have required projects to complete in addition to the required tasks. Written projects should be typed and checked for correct grammar and spelling. Photos should be embedded into the related written documents.

Before starting each project-

1. Read through the project in its entirety. This will give you a description of the project and what is needed to complete it successfully.
2. Determine what materials, if any, need to be submitted for completion of the project.
3. Most projects will come with a list of questions/points that need to be addressed and included in the written document.
4. If video is required for a project, it should be noted on the videotape verbally that this is for the project and not another required task. Some projects may require a verbal narration of a student doing something. Each individual project will define if that is a necessary requirement for that project.

1. VIDEO VERIFICATION OF REQUIRED EQUIPMENT AND SUPPLIES

Goal: Ensure that the student will have access to all equipment and supplies necessary to complete the skills in this course.

Description: The student will provide a narrated video showing equipment and supplies specific to this mentorship, to verify that required items are available to them and adequate for completion of tasks in their facility.

Criteria:

- The student ***donned in PPE*** showed their face clearly and introduced themselves and the task. **(CRITICAL)**
- The student showed and introduced the supervising mentor, who must be physically present and actively supervising the student for the ***entire task***. **(CRITICAL)**
- The student walked through the Imaging room and showed the following clearly: **(CRITICAL)**
    - VTDL-provided sign informing clients that students may be involved in patient care (it should be displayed in an area that is visible to clients).
    - 300MA / 125KVP x-ray machine (high-output machine for analog or digital radiography)
    - Current state certification showing machine maintenance and inspection (show date)
    - Technique chart for x-ray machine
    - Machine usage standard operating procedures (SOP) demonstrated and narrated
    - Thyroid shields (2)
    - 0.5mm lead aprons (2)
    - 0.5mm lead gloves that provide 360 degree coverage of hands (2 pairs)
    - Right and left ***lead*** identification markers
    - Individual personal radiation exposure monitoring devices for the student and all who assist with x-rays (dosimetry badge)
    - Demonstrate the patient identification labeling system for digital images that includes ALL the following information **prior to exposure**:
        - Patient first name
        - Patient late name
        - Facility name
        - Date image acquired
    - Portable dental radiography machine
    - Dental radiography film and chairside developer, or digital unit sensor (DR or CR)
- The student provided live narration throughout the task in one continuous, unedited video.

1. VIDEO VERIFICATION OF REQUIRED EQUIPMENT AND SUPPLIES (CONTINUED)

Number of Times Task Needs to be Successfully Performed: 1

Materials Submitted for Evaluation and Verification:

1. Task Verification Form for Video Verification of Required Equipment and Supplies, signed by the Clinical Mentorship supervisor who was physically and actively supervising the student for the full task.
2. One video showing the student as they introduced themself and walked through the imaging room, showing the above listed items clearly. The student narrated the video live as they showed items.
3. A radiographic image showing the patient label. (JPG or PDF) labeled as **task1Rad**

Student Name: _____ Date: _____

Supervisor Name: _____ RVT, CVT, LVT, LVMT, DVM, VMD

I verify that the student will have access to the items shown for tasks in this course.

Signature of Clinical Mentorship Supervisor: _____

Date: _____

2. MEDIOLATERAL PROJECTION OF THE RADIUS/ULNA

Goal: To proficiently produce a diagnostic quality mediolateral radiographic projection of the radius/ulna on a feline or canine patient.

Description: The student will position the animal in the required recumbency to produce a diagnostic quality mediolateral radius/ulna (R/U) image while adhering to proper radiation safety regulations.

Note: *The student must practice this task at least once on another feline or canine patient with the mentor before filming and submitting the task video.*

The student may NOT crop the image post-exposure or use computer-editing software. Appropriate collimation must be done when producing the image to decrease scatter radiation.

Criteria:

- *The student and all assisting donned full Radiation Safety PP*E or utilized alternative restraint methods and left the room. **(CRITICAL)**
- The student positioned the animal in Rt or Le lateral recumbency with the AOI of interest nearest to the x-ray table. **(CRITICAL)**
- The student appropriately demonstrated collimation of the primary beam to include only the landmarks for the area of interest (AOI) as defined in the course materials creating a diagnostic quality image (**CRITICAL)**
- The student selected and utilized a proper lead identification marker (L or R) according to which limb was being imaged and placed the marker in the correct location.
    - ***Post-exposure digital markers are not accepted***
- The student produced the radiograph with a proper diagnostic radiographic exposure technique.
- The student produced a diagnostic quality radiographic image by collimating to the landmarks for just the AOI **(CRITICAL)**
- The student recorded the full process (positioning through production) of the radiograph with a recorded post-production radiographic diagnostic quality (CALIPER) image self-evaluation (can be a separate video) that includes the following criteria: **(CRITICAL)**
    - Collimation
    - Artifacts
    - Landmarks
    - Identification
    - Positioning errors
    - Exposure techniques (radiographic contrast)
    - Radiographic presentation

2. MEDIOLATERAL PROJECTION OF THE RADIUS/ULNA (CONTINUED)

Number of Times Task Needs to be Successfully Performed: 2

Materials Submitted for Evaluation and Verification:

- Task Verification Form (TVF) signed by the clinical mentorship supervisor who was physically and actively supervising the student for the full task **(start to finish)**.
- Submit **one unedited live video** that clearly shows the student correctly positioning the patient for the **requested AOI**. The video must demonstrate proper anatomical landmarks and include the **image acquisition**, showing the **revealed radiograph** that is of **diagnostic quality**.
- A post-production verbally narrated CALIPER diagnostic quality image self-evaluation, as defined by the criteria outlined above for this task.
- Radiographic image. (JPG or PDF) labeled as **task2Rad**

Student Name: _____ Date: _____

Supervisor Name: _____ RVT, CVT, LVT, LVMT, DVM, VMD

Patient Name: _____ **Date:** _____ feline/canine

Patient Name: _____ **Date:** _____ feline/canine

I verify that the student performed these tasks under my active and continuous supervision.

Signature of Clinical Mentorship Supervisor: _____

Date: _____

3. CRANIOCAUDAL PROJECTION OF THE RADIUS/ULNA

Goal: To proficiently produce a diagnostic quality craniocaudal (CrCd) radiographic projection of the radius/ulna on a feline or canine patient.

Description: The student will position the animal in the required recumbency to produce a diagnostic quality craniocaudal radius/ulna (R/U) image while adhering to proper radiation safety regulations.

Note: *The student must practice this task at least once on another feline or canine patient with the mentor before filming and submitting the task video.*

The student may NOT crop the image post-exposure or use computer-editing software. Appropriate collimation must be done when producing the image to decrease scatter radiation.

Criteria:

- *The student and all assisting donned full Radiation Safety PP*E or utilized alternative restraint methods and left the room. **(CRITICAL)**
- The student positioned the animal in sternal recumbency with the AOI of interest nearest to the x-ray table. **(CRITICAL)**
- The student appropriately demonstrated collimation of the primary beam to include only the landmarks for the area of interest (AOI) as defined in the course materials creating a diagnostic quality image (**CRITICAL)**
- The student selected and utilized a proper lead identification marker (L or R) according to which limb was being imaged and placed the marker in the correct location.
    - ***Post-exposure digital markers are not accepted***
- The student produced the radiograph with a proper diagnostic radiographic exposure technique.
- The student produced a diagnostic quality radiographic image by collimating to the landmarks for just the AOI **(CRITICAL)**
- The student recorded the full process (positioning through production) of the radiograph with a recorded post-production radiographic diagnostic quality (CALIPER) image self-evaluation (can be a separate video) that includes the following criteria: **(CRITICAL)**
    - Collimation
    - Artifacts
    - Landmarks
    - Identification
    - Positioning errors
    - Exposure techniques (radiographic contrast)
    - Radiographic presentation

3. CRANIOCAUDAL PROJECTION OF THE RADIUS/ULNA (CONTINUED)

Number of Times Task Needs to be Successfully Performed: 2

Materials Submitted for Evaluation and Verification:

- Task Verification Form (TVF) signed by the clinical mentorship supervisor who was physically and actively supervising the student for the full task **(start to finish)**.
- Submit **one unedited live video** that clearly shows the student correctly positioning the patient for the **requested AOI**. The video must demonstrate proper anatomical landmarks and include the **image acquisition**, showing the **revealed radiograph** that is of **diagnostic quality**.
- A post-production verbally narrated CALIPER diagnostic quality image self-evaluation, as defined by the criteria outlined above for this task.
- Radiographic image. (JPG or PDF) labeled as **task3Rad**

Student Name: _____ Date: _____

Supervisor Name: _____ RVT, CVT, LVT, LVMT, DVM, VMD

Patient Name: _____ **Date:** _____ feline/canine

Patient Name: _____ **Date:** _____ feline/canine

I verify that the student performed these tasks under my active and continuous supervision.

Signature of Clinical Mentorship Supervisor: _____

Date: _____

4. MEDIOLATERAL PROJECTION OF THE FEMOROTIBIAL JOINT

Goal: To proficiently produce a diagnostic quality mediolateral radiographic projection of the stifle joint on a feline or canine patient.

Description: The student will position the animal in the required recumbency to produce a diagnostic quality ML image of the stifle joint while adhering to proper radiation safety regulations.

Note: *The student must practice this task at least once on another feline or canine patient with the mentor before filming and submitting the task video.*

The student may NOT crop the image post-exposure or use computer-editing software. Appropriate collimation must be done when producing the image to decrease scatter radiation.

Criteria:

- *The student and all assisting donned full Radiation Safety PP*E or utilized alternative restraint methods and left the room. **(CRITICAL)**
- The student positioned the animal in Rt or Le lateral recumbency with the AOI of interest nearest to the x-ray table. **(CRITICAL)**
- The student appropriately demonstrated collimation of the primary beam to include only the landmarks for the area of interest (AOI) as defined in the course materials creating a diagnostic quality image (**CRITICAL)**
- The student selected and utilized a proper lead identification marker (L or R) according to which limb was being imaged and placed the marker in the correct location.
    - ***Post-exposure digital markers are not accepted***
- The student produced the radiograph with a proper diagnostic radiographic exposure technique.
- The student produced a diagnostic quality radiographic image by collimating to the landmarks for just the AOI **(CRITICAL)**
- The student recorded the full process (positioning through production) of the radiograph with a recorded post-production radiographic diagnostic quality (CALIPER) image self-evaluation (can be a separate video) that includes the following criteria: **(CRITICAL)**
    - Collimation
    - Artifacts
    - Landmarks
    - Identification
    - Positioning errors
    - Exposure techniques (radiographic contrast)
    - Radiographic presentation

4. MEDIOLATERAL PROJECTION OF THE FEMOROTIBIAL JOINT (CONTINUED)

Number of Times Task Needs to be Successfully Performed: 2

Materials Submitted for Evaluation and Verification:

- Task Verification Form (TVF) signed by the clinical mentorship supervisor who was physically and actively supervising the student for the full task **(start to finish)**.
- Submit **one unedited live video** that clearly shows the student correctly positioning the patient for the **requested AOI**. The video must demonstrate proper anatomical landmarks and include the **image acquisition**, showing the **revealed radiograph** that is of **diagnostic quality**.
- A post-production verbally narrated CALIPER diagnostic quality image self-evaluation, as defined by the criteria outlined above for this task.
- Radiographic image. (JPG or PDF) labeled as **task4Rad**

Student Name: _____ Date: _____

Supervisor Name: _____ RVT, CVT, LVT, LVMT, DVM, VMD

Patient Name: _____ **Date:** _____ feline/canine

Patient Name: _____ **Date:** _____ feline/canine

I verify that the student performed these tasks under my active and continuous supervision.

Signature of Clinical Mentorship Supervisor: _____

Date: _____

5. CAUDOCRANIAL PROJECTION OF THE FEMOROTIBIAL JOINT

Goal: To proficiently produce a diagnostic quality caudocranial radiographic projection of the stifle joint on a feline or canine patient.

Description: The student will position the animal in the required recumbency to produce a diagnostic quality CdCr image of the stifle joint while adhering to proper radiation safety regulations.

Note: *The student must practice this task at least once on another feline or canine patient with the mentor before filming and submitting the task video.*

The student may NOT crop the image post-exposure or use computer-editing software. Appropriate collimation must be done when producing the image to decrease scatter radiation.

Criteria:

- *The student and all assisting donned full Radiation Safety PP*E or utilized alternative restraint methods and left the room. **(CRITICAL)**
- The student positioned the animal in sternal recumbency with the AOI of interest nearest to the x-ray table. **(CRITICAL)**
- The student appropriately demonstrated collimation of the primary beam to include only the landmarks for the area of interest (AOI) as defined in the course materials creating a diagnostic quality image (**CRITICAL)**
- The student selected and utilized a proper lead identification marker (L or R) according to which limb was being imaged and placed the marker in the correct location.
    - ***Post-exposure digital markers are not accepted***
- The student produced the radiograph with a proper diagnostic radiographic exposure technique.
- The student produced a diagnostic quality radiographic image by collimating to the landmarks for just the AOI **(CRITICAL)**
- The student recorded the full process (positioning through production) of the radiograph with a recorded post-production radiographic diagnostic quality (CALIPER) image self-evaluation (can be a separate video) that includes the following criteria: **(CRITICAL)**
    - Collimation
    - Artifacts
    - Landmarks
    - Identification
    - Positioning errors
    - Exposure techniques (radiographic contrast)
    - Radiographic presentation

5. CAUDOCRANIAL PROJECTION OF THE FEMOROTIBIAL JOINT (CONTINUED)

Number of Times Task Needs to be Successfully Performed: 2

Materials Submitted for Evaluation and Verification:

- Task Verification Form (TVF) signed by the clinical mentorship supervisor who was physically and actively supervising the student for the full task **(start to finish)**.
- Submit **one unedited live video** that clearly shows the student correctly positioning the patient for the **requested AOI**. The video must demonstrate proper anatomical landmarks and include the **image acquisition**, showing the **revealed radiograph** that is of **diagnostic quality**.
- A post-production verbally narrated CALIPER diagnostic quality image self-evaluation, as defined by the criteria outlined above for this task.
- Radiographic image. (JPG or PDF) labeled as **task5Rad**

Student Name: _____ Date: _____

Supervisor Name: _____ RVT, CVT, LVT, LVMT, DVM, VMD

Patient Name: _____ **Date:** _____ feline/canine

Patient Name: _____ **Date:** _____ feline/canine

I verify that the student performed these tasks under my active and continuous supervision.

Signature of Clinical Mentorship Supervisor: _____

Date: _____

6. LATERAL PROJECTION OF THE CANINE PELVIS

Goal: To proficiently produce a diagnostic quality lateral pelvis radiographic projection of a canine patient.

Description: The student will position the animal in the required recumbency to produce a diagnostic quality lateral pelvis image on a canine patient while adhering to proper radiation safety regulations.

Note: *The student must practice this task at least once on another canine patient with the mentor before filming and submitting the task video.*

The student may NOT crop the image post-exposure or use computer-editing software. Appropriate collimation must be done when producing the image to decrease scatter radiation.

Criteria:

- *The student and all assisting donned full Radiation Safety PP*E or utilized alternative restraint methods and left the room. **(CRITICAL)**
- The student positioned the animal in Rt or Le lateral recumbency with the AOI of interest nearest to the x-ray table. **(CRITICAL)**
- The student appropriately demonstrated collimation of the primary beam to include only the landmarks for the area of interest (AOI) as defined in the course materials creating a diagnostic quality image (**CRITICAL)**
- The student selected and utilized a proper lead identification marker (L or R) according to which limb was being imaged and placed the marker in the correct location.
    - ***Post-exposure digital markers are not accepted***
- The student produced the radiograph with a proper diagnostic radiographic exposure technique.
- The student produced a diagnostic quality radiographic image by collimating to the landmarks for just the AOI **(CRITICAL)**
- The student recorded the full process (positioning through production) of the radiograph with a recorded post-production radiographic diagnostic quality (CALIPER) image self-evaluation (can be a separate video) that includes the following criteria: **(CRITICAL)**
    - Collimation
    - Artifacts
    - Landmarks
    - Identification
    - Positioning errors
    - Exposure techniques (radiographic contrast)
    - Radiographic presentation

6. LATERAL PROJECTION OF THE CANINE PELVIS (CONTINUED)

Number of Times Task Needs to be Successfully Performed: 2

Materials Submitted for Evaluation and Verification:

- Task Verification Form (TVF) signed by the clinical mentorship supervisor who was physically and actively supervising the student for the full task **(start to finish)**.
- Submit **one unedited live video** that clearly shows the student correctly positioning the patient for the **requested AOI**. The video must demonstrate proper anatomical landmarks and include the **image acquisition**, showing the **revealed radiograph** that is of **diagnostic quality**.
- A post-production verbally narrated CALIPER diagnostic quality image self-evaluation, as defined by the criteria outlined above for this task.
- Radiographic image. (JPG or PDF) labeled as **task6Rad**

Student Name: _____ Date: _____

Supervisor Name: _____ RVT, CVT, LVT, LVMT, DVM, VMD

Patient Name: _____ **Date:** _____ canine

Patient Name: _____ **Date:** _____ canine

I verify that the student performed these tasks under my active and continuous supervision.

Signature of Clinical Mentorship Supervisor: _____

Date: _____

7. VENTRODORSAL EXTENDED PROJECTION OF THE PELVIS FOR CANINE HIP DYSPLASIA SCREENING (OFA)

Goal: To proficiently produce a diagnostic quality ventrodorsal extended radiographic projection of the pelvis on a sedated canine patient.

Description: The student will position the animal in the required recumbency to produce a diagnostic quality VD extended pelvic image of a canine patient while adhering to proper radiation safety regulations.

Note: *The student must practice this task at least once on another canine patient with the mentor before filming and submitting the task video.*

The student may NOT crop the image post-exposure or use computer-editing software. Appropriate collimation must be done when producing the image to decrease scatter radiation.

Criteria:

- *The student and all assisting donned full Radiation Safety PP*E or utilized alternative restraint methods and left the room. **(CRITICAL)**
- The student positioned the animal in dorsal recumbency. **(CRITICAL)**
- The student extended the rear limbs and positioned them parallel to the table, and rotated the stifle joints internally, with patellas positioned over the trochlear groove, and pelvis symmetric with the femurs extended and parallel to each other.
- The student appropriately demonstrated collimation of the primary beam to include only the landmarks for the area of interest (AOI) as defined in the course materials creating a diagnostic quality image (**CRITICAL)**
- The student selected and utilized a proper lead identification marker (L or R) according to which limb was being imaged and placed the marker in the correct location.
    - ***Post-exposure digital markers are not accepted***
- The student produced the radiograph with a proper diagnostic radiographic exposure technique.
- The student produced a diagnostic quality radiographic image by collimating to the landmarks for just the AOI **(CRITICAL)**
- The student recorded the full process (positioning through production) of the radiograph with a recorded post-production radiographic diagnostic quality (CALIPER) image self-evaluation (can be a separate video) that includes the following criteria: **(CRITICAL)**
    - Collimation
    - Artifacts
    - Landmarks
    - Identification
    - Positioning errors
    - Exposure techniques (radiographic contrast)
    - Radiographic presentation

7. VENTRODORSAL EXTENDED PROJECTION OF THE PELVIS FOR CANINE HIP DYSPLASIA SCREENING (CONTINUED)

Number of Times Task Needs to be Successfully Performed: 2

Materials Submitted for Evaluation and Verification:

- Task Verification Form (TVF) signed by the clinical mentorship supervisor who was physically and actively supervising the student for the full task **(start to finish)**.
- Submit **one unedited live video** that clearly shows the student correctly positioning the patient for the **requested AOI**. The video must demonstrate proper anatomical landmarks and include the **image acquisition**, showing the **revealed radiograph** that is of **diagnostic quality**.
- A post-production verbally narrated CALIPER diagnostic quality image self-evaluation, as defined by the criteria outlined above for this task.
- Radiographic image. (JPG or PDF) labeled as **task7Rad**

Student Name: _____ Date: _____

Supervisor Name: _____ RVT, CVT, LVT, LVMT, DVM, VMD

Patient Name: _____ **Date:** _____ canine

Patient Name: _____ **Date:** _____ canine

I verify that the student performed these tasks under my active and continuous supervision.

Signature of Clinical Mentorship Supervisor: _____

Date: _____

8. LATERAL PROJECTION OF THE SKULL

Goal: To proficiently produce a diagnostic quality lateral skull radiographic projection of a canine or feline patient.

Description: The student will position the animal in the required recumbency to produce a diagnostic quality lateral skull image on a canine or feline patient while adhering to proper radiation safety regulations.

Note: *The student must practice this task at least once on another canine or feline patient with the mentor before filming and submitting the task video.*

The student may NOT crop the image post-exposure or use computer-editing software. Appropriate collimation must be done when producing the image to decrease scatter radiation.

Criteria:

- *The student and all assisting donned full Radiation Safety PP*E or utilized alternative restraint methods and left the room. **(CRITICAL)**
- The student positioned the animal in Rt or Le lateral recumbency with the AOI of interest nearest to the x-ray table. **(CRITICAL)**
- The student appropriately demonstrated collimation of the primary beam to include only the landmarks for the area of interest (AOI) as defined in the course materials creating a diagnostic quality image (**CRITICAL)**
- The student selected and utilized a proper lead identification marker (L or R) according to which limb was being imaged and placed the marker in the correct location.
    - ***Post-exposure digital markers are not accepted***
- The student produced the radiograph with a proper diagnostic radiographic exposure technique.
- The student produced a diagnostic quality radiographic image by collimating to the landmarks for just the AOI **(CRITICAL)**
- The student recorded the full process (positioning through production) of the radiograph with a recorded post-production radiographic diagnostic quality (CALIPER) image self-evaluation (can be a separate video) that includes the following criteria: **(CRITICAL)**
    - Collimation
    - Artifacts
    - Landmarks
    - Identification
    - Positioning errors
    - Exposure techniques (radiographic contrast)
    - Radiographic presentation

8. LATERAL PROJECTION OF THE SKULL (CONTINUED)

Number of Times Task Needs to be Successfully Performed: 2

Materials Submitted for Evaluation and Verification:

- Task Verification Form (TVF) signed by the clinical mentorship supervisor who was physically and actively supervising the student for the full task **(start to finish)**.
- Submit **one unedited live video** that clearly shows the student correctly positioning the patient for the **requested AOI**. The video must demonstrate proper anatomical landmarks and include the **image acquisition**, showing the **revealed radiograph** that is of **diagnostic quality**.
- A post-production verbally narrated CALIPER diagnostic quality image self-evaluation, as defined by the criteria outlined above for this task.
- Radiographic image. (JPG or PDF) labeled as **task8Rad**

Student Name: _____ Date: _____

Supervisor Name: _____ RVT, CVT, LVT, LVMT, DVM, VMD

Patient Name: _____ **Date:** _____ feline/canine

Patient Name: _____ **Date:** _____ feline/canine

I verify that the student performed these tasks under my active and continuous supervision.

Signature of Clinical Mentorship Supervisor: _____

Date: _____

9. VENTRODORSAL/DORSOVENTRAL PROJECTION OF THE SKULL

Goal: To proficiently produce a diagnostic quality ventrodorsal skull radiographic projection.

Description: The student will position the animal in the required recumbency to produce a diagnostic quality VD skull image of a canine or feline patient while adhering to proper radiation safety regulations.

Note: *The student must practice this task at least once on another canine or feline patient with the mentor before filming and submitting the task video.*

The student may NOT crop the image post-exposure or use computer-editing software. Appropriate collimation must be done when producing the image to decrease scatter radiation.

Criteria:

- *The student and all assisting donned full Radiation Safety PP*E or utilized alternative restraint methods and left the room. **(CRITICAL)**
- The student positioned the animal in dorsal or sternal recumbency. **(CRITICAL)**
- The student appropriately demonstrated collimation of the primary beam to include only the landmarks for the area of interest (AOI) as defined in the course materials creating a diagnostic quality image (**CRITICAL)**
- The student selected and utilized a proper lead identification marker (L or R) according to which limb was being imaged and placed the marker in the correct location.
    - ***Post-exposure digital markers are not accepted***
- The student produced the radiograph with a proper diagnostic radiographic exposure technique.
- The student produced a diagnostic quality radiographic image by collimating to the landmarks for just the AOI **(CRITICAL)**
- The student recorded the full process (positioning through production) of the radiograph with a recorded post-production radiographic diagnostic quality (CALIPER) image self-evaluation (can be a separate video) that includes the following criteria: **(CRITICAL)**
    - Collimation
    - Artifacts
    - Landmarks
    - Identification
    - Positioning errors
    - Exposure techniques (radiographic contrast)
    - Radiographic presentation

9. VENTRODORSAL/DORSOVENTRAL PROJECTION OF THE SKULL (CONTINUED)

Number of Times Task Needs to be Successfully Performed: 2

Materials Submitted for Evaluation and Verification:

- Task Verification Form (TVF) signed by the clinical mentorship supervisor who was physically and actively supervising the student for the full task **(start to finish)**.
- Submit **one unedited live video** that clearly shows the student correctly positioning the patient for the **requested AOI**. The video must demonstrate proper anatomical landmarks and include the **image acquisition**, showing the **revealed radiograph** that is of **diagnostic quality**.
- A post-production verbally narrated CALIPER diagnostic quality image self-evaluation, as defined by the criteria outlined above for this task.
- Radiographic image. (JPG or PDF) labeled as **task9Rad**

Student Name: _____ Date: _____

Supervisor Name: _____ RVT, CVT, LVT, LVMT, DVM, VMD

Patient Name: _____ **Date:** _____ feline/canine

Patient Name: _____ **Date:** _____ feline/canine

I verify that the student performed these tasks under my active and continuous supervision.

Signature of Clinical Mentorship Supervisor: _____

Date: _____

10. INTRAORAL FULL MOUTH DENTAL RADIOGRAPHS

Goal: To demonstrate proficiency in producing diagnostic-quality full-mouth intraoral radiographs using a dental radiography unit.

Description: The student will utilize dental radiographic equipment to produce diagnostic-quality dental radiographs for a patient under general anesthesia, obtaining the following views:

- Rostral Maxillary (incisors and canines)
- Caudal Maxillary (premolars and molars)
- Rostral Mandible (incisors and canines)
- Caudal Mandible (premolars and molars)

Note: *Film or digital imaging may be utilized for these intraoral dental images.*

Criteria:

- *The student and all assisting donned all required Radiation Safety PP*E or utilized alternative restraint methods and left the room. **(CRITICAL)**
- The student demonstrated how to properly select the mAs and kVp settings for the required projection based on the radiographic equipment's SOP.
- The student utilized the appropriate intraoral dental technique (parallel or bisecting-angle technique) for the specific tooth group, from the above list, achieving a diagnostic image without distortion (foreshortening or elongation). **(CRITICAL)**
- The student centered over the AOI and included the full AOI and 2-3 mm of aveolar bone. **(CRITICAL)**
- The student produced the radiograph with a proper diagnostic radiographic exposure technique. **(CRITICAL)**

10. INTRAORAL FULL MOUTH DENTAL RADIOGRAPHS (CONTINUED)

Number of Times Task Needs to be Successfully Performed: 2

Materials Submitted for Evaluation and Verification:

- Task Verification Form (TVF) signed by the clinical mentorship supervisor who was physically and actively supervising the student for the full task **(start to finish)**.

- Submit **one unedited live video** that clearly shows the student correctly positioning the patient for the **requested full mouth intraoral views**. The video must demonstrate proper positioning and include the image acquisition, showing the revealed radiograph that is of diagnostic quality.

- Radiographic images. (JPG or PDF) labeled as **task10Rada, task10radb….**

Student Name: _____ Date: _____

Supervisor Name: _____ RVT, CVT, LVT, LVMT, DVM, VMD

Patient Name: _____ **Date:** _____ feline/canine

Patient Name: _____ **Date:** _____ feline/canine

I verify that the student performed these tasks under my active and continuous supervision.

Signature of Clinical Mentorship Supervisor: _____

Date: _____