NEW OR REVISED 4TH YEAR ELECTIVE FORM

Academic Year – 2018-2019

CAMPUS: Southwest
DEPARTMENT: Radiology

ELECTIVE TITLE: Interventional Radiology
COURSE NUMBER: 9107 Section X

CAMPUS CONTACT: Jodi Rathjen
DATE: 10/22/2018

Please circle one: NEW Elective | NEW Section of Course: 9107 | REVISED

INSTRUCTIONS

When preparing the New or Revised 4th Year Elective Form, ensure that

- the elective description is accurate,
- the elective description meets MCC approved formatting (see attached example),
- faculty appointments are approved and up to date, and
- if a new location; ensure there is an affiliation agreement in place
- Note: The course number will be assigned by the Office of Record (Student Affairs) AFTER elective approval process is completed (Education Resources will submit this after MCC approval).

Have the New or Revised 4th Year Elective Form reviewed and signed by the following:

- Department Chairperson
- Campus Dean

Submit the signed document (pdf) and include the Word format version to shae.samuelson@und.edu in Education Resources. In the case of an elective revision please highlight the changes.

FOR EDUCATION RESOURCES USE ONLY

☐ Reviewed by the Senior Elective Review Committee (Signatures of Department Chair & Campus Dean must be included)

Action recommended:
☐ Return to Department for additional edits
☐ Forwarded to CSCS with recommendation to approve

☐ Submitted to CSCS for approval
☐ Forward to MCC for approval & chair signature
☐ Submitted to Senior Associate Dean for Medicine & Research for Signature
☐ Submit officially signed copy to Student Affairs (SMHS Office of Record)
☐ Posted on UND SMHS Website

New or Revised 4th Year Elective Form and Elective Description | Revised 9/1/16
Elective Description

**Campus:** Southwest  
**Elective/Experience Title:** Interventional Radiology  
**Location of Elective:** Sanford – Bismarck, ND

**Preceptor(s):** Brent Herbel, MD & Andrew Miller, MD  
**Period(s) Offered:** All  
**Number of students per period:** 1

**Purpose:** To provide education and experience in the care of patients requiring interventional radiology services.

**Objectives:** Following successful completion of this elective, the student will be able to:
1. Effectively evaluate an interventional radiology (IR) patient to determine if he/she is an appropriate candidate for conscious sedation. (Y4 LO 1)
2. Identify the imaging modalities used in IR procedures and choose correctly, the modality for a given patient and procedure. (Y4 LO 4)
3. Interpret basic plain films, fluoroscopic images, angiographic images, ultrasounds, CT scans, MRI scans, and nuclear medicine scans used in evaluating and treating IR patients. (Y4 LO 4)
4. Identify appropriate indications for various IR procedures. (Y4 LO 4)
5. Perform image guided vascular access procedures under the supervision of a radiologist.
6. Evaluate and formulate management options in patients with peripheral vascular disease, venous disease and genitourinary tract disease from the perspective of an interventional radiologist. (Y4 LO 14)
7. Provide pre-procedure patient evaluation, post procedure care and follow up of patients requiring interventional radiology services. (Y4 LO 1, 14)
8. Perform interventional radiology procedures related to peripheral vascular disease, venous disease and genitourinary tract disease under the supervision of a radiologist.
9. Perform image guided biopsies, aspirations, and/or drainages under the supervision of a radiologist.

**Instructional Activities:** During this elective, the student will be involved in/experience:
2. Direct and continuous educational contact with preceptor.
3. Observation of and participation in interventional radiology procedures. This would include all phases from receipt of the consult to post procedure patient visit.
4. Daily interpretive sessions in IR suite and CT suite.
5. Appropriate documentation (handwritten or dictated notes) of interactions with the patients seen during the elective.
**Criteria for Grading:** During and following this elective, the preceptor will:

1. Utilize the standardized UNDSMHS senior elective evaluation form.
2. Evaluate by direct observation the student’s participation in clinical care of the patients
3. Evaluate by direct observation the student’s level of proficiency in diagnosis and treatment of interventional radiology patients
4. Evaluate by direct observation the student’s ability to perform an efficient history and physical exam and review the patient’s medical record
5. Evaluate by direct observation the student’s ability to work as a member of an integrated health team
6. Evaluate by direct observation the student’s ability to present cases and integrate, assess, and learn new information