

R T 61B: RADIOLOGY RESEARCH PROJECT II

Foothill College Course Outline of Record

Heading	Value
Units:	1
Hours:	1 lecture per week (12 total per quarter)
Prerequisite:	R T 61A.
Degree & Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Student Learning Outcomes

- Continue research on an selected medical imaging topic and create a PowerPoint.
- Prepare an oral presentation on an assigned medical imaging topic.

Description

The second course in the R T 61 series will focus on expanding the depth and breadth of learning through the creation of a professional level oral presentation. Utilizing presentation software and other visual aids, groups will collaboratively display their mastery and understanding of the specialized imaging topic selected in R T 61A. This course also places emphasis on group collaboration and critical reflection of individual and group contributions to the project as a whole. Intended for students in the Radiologic Technology Program; enrollment is limited to students accepted in the program.

Course Objectives

The student will be able to:

- Develop research and literary skills by performing an in-depth research project
- Collect and synthesize research data
- Collaborate in the composition and preparation of the project
- Present an oral presentation summary to the class
- Create a graphic USB holder that reflects some element related to the topic
- Transfer and archive final presentation project to USB in multiple formats
- Develop a reference bibliography in APA format
- Using self-reflection and assessment tools, assess their own contributions to the group process as well as that of their group members

Course Content

- Continued research of selected topic from prerequisite course
 - Topic expansion
- Review project guidelines as outlined by checklist
 - Research methods
 - Internet
 - Library
 - Books/journals
 - Other sources

- Collection and management of data
 - Data entry
- Project composition
 - Structure
 - Responsibilities
 - Presentation media discussion and development
 - Visual aids
 - Oral presentation guidelines
 - Professional delivery
 - Communication skills
 - Time limit
 - USB holder
 - Requirements
 - Design
 - Project archive
 - Archive to USB
 - Format requirements
 - Video clip
 - Bibliography
 - Format
 - Currency
 - Varied sources
 - Group and self evaluation
 - Accountability
 - Reflection
 - Constructive critique

Lab Content

Not applicable.

Special Facilities and/or Equipment

Classroom with multimedia equipment with internet access.

Method(s) of Evaluation

- Evaluation of research project using a project grade checklist.
- Self and group evaluation using a standardized form.

Method(s) of Instruction

Lecture, discussion, demonstration.

Representative Text(s) and Other Materials

None required.

Types and/or Examples of Required Reading, Writing, and Outside of Class Assignments

- Perform independent literary research.
- Presentation media/visual aid creation.
- Development of a cohesive group presentation that meets project specifications for content, delivery and time requirements.
- USB cover design and formatting.
- Assessment of personal and group contributions to the overall project.

Discipline(s)

Radiological Technology