Course: Independent Research Elective Course Number: RSRH-2001

Faculty Coordinator:	Dr. Rene Galindo
acuity coordinator.	Dr. Kene Gainuu

Hospital: (Location of rotation) All Hospitals are eligible

Periods Offered:	Offered All Periods	
Length:	2 weeks	
Max # of Students:	No Limit	
First Day Contact:	Mentor	
First Contact Time:	Mentor	
First Day Location:	Mentor	

Prerequisites: Course director approval required for enrollment

- Scholarly Activity rotation completed
- Test Prep completed
- Step 1 completed

I. Course Description

Students wishing to conduct research during the course of their medical school training may do so for elective credit. This elective is for full-time research for the two-week blocks and cannot be taken at the same time as another elective. For elective approval, the Associate Dean is looking for research projects that demonstrate the advancement of a hypothesis. This should include an overview of the background, the methods that will be employed, and the expected outcomes and analytic methods that will be used. Approval of the research project is required prior to enrolling in this elective.

Schedule

Student will work as a full-time research assistant for 2 weeks and are expected to work 40 hours a week during this elective.

Course Requirements

The Research Elective must be arranged six weeks in advance with the Associate Dean by the submission of all the information requested below:

1. Proposal Form- as signed by the student and mentor as a contract of understood goals with a description of the study and what is to be accomplished This should include an overview of the hypothesis, the methods that will be employed, and the expected outcomes and analytic methods that will be used. Specific details of the student role in the proposed project should be outlined.

2. Approval form- for submission to the registrar's office.

Completed forms should be sent to the Associate Dean for Medical Student Research for approval. The Associate Dean's office will forward the forms to the registrar.

Failure to complete the needed paperwork correctly might result in no transcript notation or a delay in research activities.

Goals (examples-edit as needed)	Objectives (describe	Assessment methods
		activities that will	(examples-explain how student
		support how goals are	will be evaluated)
		to be achieved)	
Medica	al knowledge:	Student will write up an	Assessment & Accentance of
1	The Student will be able to	abstract of the proposed	written Pronosal of Research
1.	articulate a testable hunothesis	research covering	nroject
2	The student will know the	hackground hypothesis	project
2.	nathonhysiology of the field of	methods and	Assessment of written final
	study they are recearching		summary of findings
	study they die researching	the disease relevance	summary of finances
Intorna	arconal and communication	Student will coordinate	Observations of faculty and staff
ckille		daily with research staff	
SKIIIS. 1	The students will effectively	mombers and possibly	
1.	avebange information with		
	their UTSM Freulty recorrelar	consent patients	
	inen UTSW Faculty researcher,	Ctudents will meet often	
	patients, IRB members, and the	Students will meet often	
	team, including nurses, jacuity,	with their mentor to	
	residents and ancillary staff.	discuss progress	A
Practic	e Based learning and	Students will write a	Assessment & Acceptance of
Improv	/ement:	final abstract of the	written Proposal of Research
1.	Students will demonstrate the	research done,	project
	ability to assimilate scientific	consisting of a	
	evidence.	background, hypothesis,	Assessment of written final
		methods and results	summary of findings
		sections	
Profess	sionalism:	Student will coordinate	Observations of faculty and staff
1.	Students must demonstrate a	daily with research staff	
	commitment to carrying out	members and possibly	
	professional responsibilities	consent patients	
System	ns based practice:	Students will write a	Observations of faculty and staff
1.	Know how research fits into the	final abstract of the	
	larger system of health care.	research done,	Assessment of written final
2.	Work with the team and	consisting of a	summary of findings
	patients to optimize use of	background, hypothesis,	
	system resources	methods and results	
		sections	

Faculty mentors will be the day-to-day contact for the students and will be primarily responsible for their education in research methodology and research ethics.

IV. Overview of student responsibilities

As much as the experience should be tailored to the student's research interests, any activity outside of the research project will need to agree upon with the course director in advance, for example, shadowing opportunities or interview traveling. The student is accountable to both the on-site mentor and the Associate Dean.

Prior to Rotation Start

• Initial meeting with Mentor. Students will be encouraged to submit a new project or select a project from existing project available

- Complete a project proposal and approval form, both signed by your faculty mentor.
- Turn it into the Associate Dean's office- Due SIX WEEKS before the rotation. They will register the student for the course.
- Complete any required training (if needed).

During the Rotation

- Complete any training still pending (IACUC or Lab Safety)
- Orient to the department and learn procedures of research.
- Comprehensive literature review of journal articles pertaining to the chosen project topic.
- Attend required lectures and any lab meeting or grand rounds the mentor has made part of the mentoring plan.
- Develop an appropriate data collection strategy; along with any data collection tools needed.
- Develop data analysis plan and perform analysis of data collected.
- Submit a Summary of their findings.

IV. Method of evaluation of students and requirements:

Grades will be pass / fail.

Attendance is required to receive credit for the course as well as a passing evaluation by their mentor.

Each student must submit a summary of their research experience at the conclusion of the program. The description should include: 1) the problem explored; 2) the hypothesis tested; 3) the methods employed; 4) the results obtained; and 5) the conclusions drawn. Note that with proper formatting, variations on this summary would be acceptable for submission as an abstract to the annual UT Southwestern Medical Student Research Forum. Abstracts submitted to the research forum are published and can be listed on your curriculum vitae.