# http://www.ric.edu/webcommunications/images/SealWithText_Small_Black.pngUNDERGRADUATE CURRICULUM COMMITTEE (UCC)PROPOSAL FORM

## Cover page scroll over blue text to see further important [instructions](#instructions): [if not working select “COMMents on rollover” in your Word preferences under view] please read these.

**N.B. Please do not use highlight to select choices within a category but simply delete the options that do not apply to your proposal (e.g. in A.2 if this is a course revision proposal, just delete the creation and deletion options and the various program ones, so it reads “course revision”) Do not ever delete any of the numbered categories—if they do not apply leave them blank. ALL numbered categories in section (A) must be completed. If there are no resources impacted it is okay to put “none” in A. 7**

|  |  |  |
| --- | --- | --- |
| A.1. [Course or program](#Proposal) | **VIR 300 Principles of Vascular Interventional Radiography** |  |
| [Replacing](#Ifapplicable)  |  |
| A. 1b. Academic unit | **Faculty of Arts and Sciences**  |  |
| A.2. [Proposal type](#type) | **Course: creation**  |  |
| A.3. [Originator](#Originator) | **Eric Hall** | [Home department](#home_dept) | **Biology/Health Sciences** |
| A.4. [Context and Rationale](#Rationale) Note: Must include additional information in smart tip for all [new programs](#type) | **This course will introduce the fundamental theories and practices of vascular interventional radiography. Required for the BS in Medical Imaging, Certified Radiographer VIR program and for the Certificate of Undergraduate Study in VIR.** |
| A.5. [Student impact](#student_impact)Must include to explain why this change is being made? | **Students need to have a basic understanding of the foundations to build their knowledge and skills.** |
| A.6. [Impact on other programs](#impact)  | **None** |
| A.7. [Resource impact](#Resource) | [*Faculty PT & FT*](#faculty):  | **This course will be taught by LSMI faculty.** |
| [*Library*:](#library) | **None** |
| [*Technology*](#technology) | **None** |
| [*Facilities*](#facilities): | **None** |
| A.8. [Semester effective](#Semester_effective) | **Fall 2022** | A.9. [Rationale if sooner than next Fall](#Semester_effective) |  |
| A.10. INSTRUCTIONS FOR CATALOG COPY: Use the Word copy versions of the catalog sections found on the UCC Forms and Information page. Cut and paste into a single file **ALL the relevant pages from the college catalog that need to be changed.** Use the tracked changes feature to show how the catalog will be revised as you type in the revisions. If totally new copy, indicate where it should go in the catalog. If making related proposals a single catalog copy that includes all changes is preferred. Send catalog copy as a separate single Word file along with this form. |
| A.11. List here (with the relevant urls), any RIC website pages that will need to be updated (to which your department does not have access) if this proposal is approved, with an explanation as to what needs to be revised: |

B. [NEW OR REVISED COURSES](#delete_if)  **Delete section B if the proposal does not include a new or revised course. As in section A. do not highlight but simply delete suggested options not being used. Always fill in b. 1 and B. 3 for context.**

|  | Old ([for revisions only](#Revisions))ONLY include information that is being revised, otherwise leave blank.  | NewExamples are provided within some of the boxes for guidance, delete just the examples that do not apply. |
| --- | --- | --- |
| B.1. [Course prefix and number](#cours_title)  |  | **VIR 300** |
| B.2. Cross listing number if any |  |  |
| B.3. [Course title](#title)  |  | **Principles of Vascular Interventional Radiography** |
| B.4. [Course description](#description)  |  | Students examine the foundations of interventional radiography. Topics include patient interactions and management, image acquisition, supplies, equipment, and devices supporting diagnostic and interventional image guided vascular procedure. |
| B.5. [Prerequisite(s)](#prereqs) |  | **Acceptance into the program** |
| B.6. [Offered](#Offered) |  | **Fall**  |
| B.7. [Contact hours](#contacthours)  |  | **3** |
| B.8. [Credit hours](#credits) |  | **3** |
| B.9. [Justify differences if any](#differences) |  |
| B.10. [Grading system](#grading)  |  | **Letter grade**  |
| B.11. [Instructional methods](#instr_methods) |  | **Lecture**  |
| B.11.a [Delivery Method](#instr_methods) |  | **|**  [**Distance Learning**](#Hybrid) **|** [**% Online**](#Online) **| Asynchronous |****[Hybrid](#hybrid" \o "Only select if you want the course to be listed in the catalog in this way; this selection means that this course can only be taught in this fashion. Courses that are occasionally hybrid/online only appear that way in the bulletin, not catalog.)** |
| B.12. CATEGORIES 12. a. [How](#required) to be used |  | **Required for Certification** |
|  12 b. Is this an Honors  course? |  | **NO** |
|  12. c. [General Education](#ge) N.B. Connections must include at  least 50% Standard Classroom instruction. |  | **NO** |
|  12. d. Writing in the  Discipline (WID) |  | **NO** |
| B.13. [How will student performance be evaluated?](#performance) |  | **Exams | Presentations** **Class Work | Quizzes |** |
| B.14 [Recommended class-size](#class_size" \o "Check appendix XVIII in the UCC Manual for Best Practices) |  | **12** |
| B.15. [Redundancy statement](#competing) |  |  |
| B. 16. Other changes, if any |  |

| B.17**.** [**Course learning outcomes**](#outcomes)**: List each one in a separate row** | [**Professional Org.Standard(s)**](#standards)**, if relevant** | [**How will each outcome be measured**](#measured)**?** |
| --- | --- | --- |
| Demonstrate an understanding of the wide variety of med-surgical products such as catheters, guide wires, stents and angioplasty catheters supporting vascular IR |  | Exam, homework assignment |
| Understand various parameters of power injecting through various diagnostic catheters |  | Exam, homework assignment |
| Discuss appropriate methods of responding and caring for patients during vascular interventional imaging procedures.  |  | Exam, homework assignment |
| Identify the risks and benefits of ionizing radiation exposure to optimize clinical procedures and minimize doses to oneself and patients. |  | Exam, homework assignment |
| Identify various imaging methods and equipment needed to acquire VIR imaging procedures. |  | Exam, homework assignment |

| B.18. [**Topical outline**](#outline)**: DO NOT INSERT WHOLE SYLLABUS, JUST A TWO-TIER TOPIC OUTLINE. Proposals that ignore this request will be returned for revision.** |
| --- |
| 1. Patient Interactions and Management
	1. Patient Communication
	2. Patient Assessment and Monitoring
	3. Contrast administration
	4. Medications
	5. Asepsis and Sterile Technique
	6. Handling and Disposal of Hazardous Materials
	7. Emergency Care
2. Image Acquisition and Equipment
	1. Data acquisition and processing
		1. Fluoroscopy
		2. Digital angiography
		3. Projections/ positions
		4. Archiving
		5. Quality control
	2. Automatic pressure injectors
		1. Parts
		2. Functions
		3. operation
	3. Radiation protection for patients and personnel
		1. Collimation
		2. Magnification
		3. Frame rates
		4. Geometry
		5. Pulsed or continuation
		6. Shielding
		7. Last image hold
		8. Dose rate
		9. Shielding
		10. Monitoring device
		11. Occupational exposure reports
		12. Promote radiation awareness
3. Standard Procedures Table Setup and Commonly used equipment
	1. Needles for access in the vascular suite
	2. Procedure supplies
	3. Procedure table set up
	4. Procedure details
4. Vessel Anatomy, Catheter and Wire Selection
	1. Catheters- types, sizes, shape, material
	2. Balloon catheters
	3. Wires
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|  |

## D. Signatures

* **Changes that affect General Education in any way MUST be approved by ALL Deans and COGE Chair**.
* Changes that directly impact more than one department/program MUST have the signatures of all relevant department chairs, program directors, and their relevant dean (e.g. when creating/revising a program using courses from other departments/programs). Check UCC manual 4.2 for further guidelines on whether the signatures need to be approval or acknowledgement.
* Proposals that do not have appropriate approval signatures will not be considered.
* Type in name of person signing and their position/affiliation.
* Send electronic files of this proposal and accompanying catalog copy to curriculum@ric.edu and a printed signature copy of this whole form to the current Chair of UCC. Check UCC website for due dates.

##### D.1. Approvals: required from programs/departments/deans who originate the proposal. THESE may include multiple departments, e.g., for joint/interdisciplinary proposals.

| Name | Position/affiliation | [Signature](#_Signature" \o "Insert electronic signature, if available, in this column) | Date |
| --- | --- | --- | --- |
| Eric Hall | Program Director of Medical Imaging | \*approved via e-mail | 1/21/2022 |
| Dana Kolibachuk | Chair of Biology | \*approved via e-mail | 1/21/2022 |
| Earl Simson | Dean of FAS | **Earl Simson** | 2/4/2022 |

##### D.2. [Acknowledgements](#acknowledge): REQUIRED from OTHER PROGRAMS/DEPARTMENTS (and their relevant deans if not already included above) that are IMPACTED BY THE PROPOSAL. SIGNATURE DOES NOT INDICATE APPROVAL, ONLY AWARENESS THAT THE PROPOSAL IS BEING SUBMITTED. CONCERNS SHOULD BE BROUGHT TO THE UCC COMMITTEE MEETING FOR DISCUSSION; all faculty are welcome to attend.

| Name | Position/affiliation | [Signature](#Signature_2) | Date |
| --- | --- | --- | --- |
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|  |  |  | Tab to add rows |