# 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. DO NOT USE HIGHLIGHT, where choices are given within categories, please DELETE those THAT DO NOT APPLY TO YOUR PROPOSAL. Do not delete numbered categories.**

**ALL numbers in section (A) to be completed, including the impact ones (#5-7), put “none” if that is the case.**

|  |  |  |
| --- | --- | --- |
| A.1. [Course or program](#Proposal) | **MRI 303 Procedures I** |  |
| [Replacing](#Ifapplicable)  |  |
| 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)  | **This course will introduce the basic anatomy and physiology that can be revealed using MRI techniques.**Due to patient requirements the laboratory component of this course is highly limited. Students will not be meeting consistently but the time needs to be free in case an MRI machine become available. |
| A.5. [Student impact](#student_impact) | **Improved readiness for working in the hospital or clinical environment** |
| 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 2020** | A.9. [Rationale if sooner than next Fall](#Semester_effective) |  |
| A.10. INSTRUCTIONS FOR CATALOG COPY: This single file copy must include ALL relevant pages from the college catalog, and show how the catalog will be revised. (1) Go to the “Forms and Information” page on the UCC website. Scroll down until you see the Word files for the current catalog. (2) Download ALL catalog sections relevant for this proposal, including course descriptions and/or other affected programs. (3) Place ALL relevant catalog copy into a single file. Put page breaks between sections and **delete any catalog pages not relevant for this proposal**. (4) Using the track changes function, revise the catalog pages to demonstrate what the information should look like in next year’s catalog. (5) Check the revised catalog pages against the proposal form, especially making sure that program totals are correct if adding/deleting course credits. If new copy, indicate where it should go in the catalog. If making related proposals a single catalog copy that includes all is acceptable. Send as a separate single file along with this form. |

B. [NEW OR REVISED COURSES](#delete_if)  **DO NOT use highlight. Do not delete numbered categories, just leave blank if they do not apply. Delete this whole page if the proposal does not include a new or revised course. 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)  |  | **MRI 303** |
| B.2. Cross listing number if any |  |  |
| B.3. [Course title](#title)  |  | **PROCEDURES I** |
| B.4. [Course description](#description)  |  | Students will learn human anatomy and pathology as seen in multiple orthogonal planes. Bone, muscle, vascular structures, organs and soft tissues are studied. |
| B.5. [Prerequisite(s)](#prereqs) |  | Acceptance into a Medical Imaging clinical program |
| B.6. [Offered](#Offered) |  | **Spring** |
| 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****Laboratory**  |
| B.12.[Categories](#required) |  | **Required for major**  |
| B.13. Is this an Honors course? |  | **NO** |
| B.14. [General Education](#ge)N.B. Connections must include at least 50% Standard Classroom instruction. |  | **NO |****category:** |
| B.15. [How will student performance be evaluated?](#performance) |  | **Exams** **Laboratory** |
| B.16 [Recommended class-size](#class_size" \o "Check appendix XVIII in the UCC Manual for Best Practices) |  | **24** |
| B.17. [Redundancy statement](#competing) |  | **N/A** |
| B. 18. Other changes, if any |  |

| B.19**.** [**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)**?** |
| --- | --- | --- |
| The student will:* Identify anatomical structures as seen in multiple orthogonal planes on MR images.
* Describe gross anatomic relationships in the body.
* Describe anterior-posterior, proximal-distal, and lateral-medial relationships of anatomy.
* Distinguish normal anatomy from abnormal anatomy and common pathologies.
 |  | Examination,  |

| B.20. [**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. Intro to sectional anatomy in MRI
	1. Common landmarks
	2. Imaging procedures of cranial bones, facial bones and temporal lobes
2. IAC and pituitary
	1. Identification of anatomy in 3 imaging planes
	2. Pathologies associated with IAC and pituitary
	3. Procedures related to IAC and pituitary
3. TMJ, Sinuses, and Orbits
	1. Identification of anatomy in 3 imaging planes
	2. Pathologies associated with TMJ, sinuses and orbits
	3. Procedures related to TMJ, sinuses and orbits
4. Meninges, ventricular system, cerebrum and diencephalon
	1. Identification of anatomy in 3 imaging planes
	2. Pathologies associated with meninges, ventricular system, cerebrum and diencephalon
	3. Procedures associated with meninges, ventricular system, cerebrum and diencephalon
5. Limbic system, brain stem, cerebellum and cranial nerves
	1. Identification of anatomy in 3 imaging planes
	2. Pathologies associated with limbic system, brain stem, cerebellum and cranial nerves
	3. Procedures associated with limbic system, brain stem, cerebellum and cranial nerves
6. Vascular brain
	1. Identification of anatomy by rotation and tumble technique
	2. Pathologies associated with vascular brain structures
	3. MRA/MRV procedures
7. Spine
	1. Identification of vertebral column (cervical, thoracic, and lumbar) in 3 imaging planes
	2. Imaging procedures for cervical, thoracic and lumbar
	3. Pathologies with cervical, thoracic and lumbar
8. Plexuses
	1. Identification of plexuses throughout the body
	2. Imaging procedures for cervical and brachial plexus
	3. Pathologies with cervical and brachial plexus
9. Soft tissue neck
	1. Identification of pharynx, larynx, esophagus and trachea
	2. Imaging procedures of pharynx, larynx, esophagus, trachea and salivary glands
	3. Pathologies of pharynx, larynx, esophagus, trachea and salivary glands
10. Vascular neck
	1. Identification of vessels in neck
	2. Imaging procedures of neck using MRA technique
	3. Pathologies associated with vessels in neck
11. Upper Extremity
	1. Identification of shoulder, clavicle and scapula anatomy
	2. Imaging procedures of shoulder (arthrogram and aber technique), clavicle and scapula anatomy
	3. Pathologies of shoulder, clavicle and scapula anatomy
12. Lower Extremity
	1. Identification of hip and knee
	2. Imaging procedures of hip and knee
	3. Pathologies of hip and knee

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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. 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 | e-mail confirmation to curriculum@ric.edu | 4/1/2020 |
| Eric Roberts | Chair of Biology | e-mail confirmation to curriculum@ric.edu | 4/1/2020 |
| Earl Simson | Dean of FAS | e-mail confirmation to curriculum@ric.edu | 4/6/2020 |

##### 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 |