# 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): please read.

**N.B. DO NOT USE HIGHLIGHT, please DELETE THE WORDS THAT DO NOT APPLY TO YOUR PROPOSAL**

**ALL numbers in section (A) need to be completed, including the impact ones.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| A.1. [Course or program](#Proposal) | **dms 306 Obstetrical and gynecological sonography ii** | | | |  |
| [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) | **The reorganization of the BS in Medical Imaging, Diagnostic Medical Sonography degree requires the shifting of some content into new courses with redistribution of credits.** | | | | |
| A.5. [Student impact](#student_impact) | **This course represents an effort to spread some of the DMS content over an additional semester. The benefit to the students is more time to adjust to working in the clinical environment.** | | | | |
| A.6. [Impact on other programs](#impact) | **None** | | | | |
| A.7. [Resource impact](#Resource) | [*Faculty PT & FT*](#faculty): | **NA** | | | |
| [*Library*:](#library) | **NA** | | | |
| [*Technology*](#technology) | **NA** | | | |
| [*Facilities*](#facilities): | **NA** | | | |
| A.8. [Semester effective](#Semester_effective) | **Fall 2018** | 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 file along with this form. | | | | | |

B. [NEW OR REVISED COURSES](#delete_if)  **DO NOT use highlight. Delete this whole page if the proposal does not include a new or revised course.**

|  | Old ([for revisions only](#Revisions)) Only include information that is being revised, otherwise leave blank (delete provided examples that do not apply) | New Examples are provided for guidance, delete the ones that do not apply |
| --- | --- | --- |
| B.1. [Course prefix and number](#cours_title) |  | **DMS 306** |
| B.2. Cross listing number if any |  |  |
| B.3. [Course title](#title) |  | **Obstetrical and Gynecological Sonography II** |
| B.4. [Course description](#description) |  | Students will learn first and second trimester anatomy and pathologies. Students will also learn sonographic measurements performed in the first trimester. |
| B.5. [Prerequisite(s)](#prereqs) |  | **DMS 305** |
| B.6. [Offered](#Offered) |  | **Summer** |
| B.7. [Contact hours](#contacthours) |  | **1.5** |
| B.8. [Credit hours](#credits) |  | **1.5** |
| B.9. [Justify differences if any](#differences) |  | |
| B.10. [Grading system](#grading) |  | **Graded** |
| B.11. [Instructional methods](#instr_methods) |  | **Lecture** |
| B.12.[Categories](#required) |  |  |
| B.13. Is this an Honors course? |  |  |
| B.14. [General Education](#ge)  N.B. Connections must include at least 50% Standard Classroom instruction. |  |  |
| B.15. [How will student performance be evaluated?](#performance) |  | **Examinations** |
| B.16. [Redundancy statement](#competing) |  |  |
| B. 17. Other changes, if any |  | |

| B.18**.** [**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)**?** |
| --- | --- | --- |
| * Describe the early development of the embryo and its sonographic appearance at different gestational ages. * Explain the clinical roles of first-trimester maternal serum biochemistry. * Define the sonographic characteristics of the yolk sac, embryo, amnion and chorion, and gestational sac. * Describe the sonographic measurements performed in the first trimester and the goals of first-trimester sonography. * Discuss the use of a first-trimester fetal anatomy survey. * Identify the methods of aneuploidy risk assessment used in the first trimester. * Describe the clinical and sonographic findings in ectopic pregnancy. * List the other types of abnormal pregnancies. * Discuss the normal rand for fetal cardiac rhythm. * Describe the cranial abnormalities seen in the first trimester. * Distinguish among normal bowel herniation, gastroschisis, and omphalocele. * Discuss the sonographic findings with cystic hygroma. * Name the types of umbilical cord masses that may be seen with ultrasound. * Differentiate between a hemorrhagic corpus luteum cyst and dermoid. * Discuss the difference between a fibroid and uterine contraction on sonography. * List the components of a standard obstetric examination in the second trimester and describe the fetal anatomy recommended for preview. * Define terminology specific to fetal presentation. * Describe sonographic techniques used to image specific fetal structures. * Describe normal fetal anatomy visualized in an obstetric sonography examination and variations that may be significant. * Describe the methods of genetic testing, including maternal serum markers, chorionic villus sampling, and amniocentesis. * Describe the ultrasound technique of amniocentesis. * Describe the sonographic features of chromosomal anomalies. * Describe the embryogenesis of the placenta. * List the functions of the placenta. * List and describe imaging techniques and sonographic findings for the placenta. * Identify the placental position and describe its importance. * Describe the sonographic findings and clinical significance of placental pathologies. * Recognize placental abruption on ultrasound. * Describe the development of the digestive system and list the unique features of the fetal abdomen. * Describe the normal development of the stomach and the importance of its sonographic visualization. * Define abnormalities of the fetal GI tract and hepatobiliary system and describe their sonographic findings. * Discuss the development of the urogenital and genital system. * Describe the sonographic appearance of the fetal kidneys and bladder. * Detail the complication of renal agenesis. * Describe the sonographic findings associated with abnormalities of the kidney. * Differentiate types of renal cystic disease. * Distinguish among different types of urinary obstruction. * Identify congenital malformations of the genital system. |  | Examinations |

| B.19. [**Topical outline**](#outline)**: Do NOT insert whole syllabus, we just need a two-tier outline** |
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| |  |  | | --- | --- | |  |  | | OB/GYN | Review 1st trimester from Diagnostic Sonography  Normal 1st trimester with measurements | | OB/GYN | Early complications | |  |  | | OB/GYN | 2nd trimester | | OB/GYN | 2nd trimester | |  |  | | OB/GYN | 2nd trimester pathologies  GI abnormalities | | OB/GYN | 2nd trimester pathologies  GU abnormalities | |  |  | |  | 2nd trimester pathologies  Ventral Wall Defects (VWD) | | OB/GYN | 2nd trimester pathologies  Placenta | | OB/GYN | 2nd trimester pathologies  Placenta – fetal presentations | |  |  | | OB/GYN | 2nd trimester pathologies  Maternal medical complications | | OB/GYN | Video – 2nd trimester pathologies | |

## 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 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](mailto:curriculum@ric.edu) and a printed or electronic signature copy of this 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 prposals.

| Name | Position/affiliation | [Signature](#_Signature" \o "Insert electronic signature, if available, in this column) | Date |
| --- | --- | --- | --- |
| Eric Hall | Program Director of Medical Imaging |  |  |
| Rebeka Merson | Chair of Biology |  |  |
| Earl Simson | Dean of FAS |  | Tab to add rows |

##### D.2. [Acknowledgements](#acknowledge): REQUIRED from OTHER PROGRAMS/DEPARTMENTS 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

| Name | Position/affiliation | [Signature](#Signature_2) | Date |
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