# 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) | **MATH 144: Mathematics for Elementary School Teachers II** |  |
| [Replacing](#Ifapplicable)  |  |
| A. 1b. Academic unit | **Faculty of Arts and Sciences**  |  |
| A.2. [Proposal type](#type) | **Course: revision**  |  |
| A.3. [Originator](#Originator) | **Mark Medwid** | [Home department](#home_dept) | **Mathematical Sciences** |
| A.4. [Context and Rationale](#Rationale) Note: Must include additional information in smart tip for all [new programs](#type) | **This is a revision to the course MATH 144 in which we adjust the list of prerequisites for the course. We wish to add “Completed college mathematics competency or appropriate score on the mathematics placement exam” to the list of prerequisites for this course.****At present, MATH 144 requires MATH 143 (Mathematics for Elementary School Teachers I) with a minimum grade of C or consent of the department chair. MATH 143 explicitly requires students to have completed the college mathematics competency requirement, but MATH 144 does not. In this way, completion of the college mathematics competency requirement is a ‘soft’ prerequisite for MATH 144.** **It is possible that for a student to receive transfer credit for MATH 143 from another institution without satisfying the college mathematics competency requirement. As MATH 144 is a continuation of MATH 143, the course operates under the assumption that all students have satisfied the requirement. However, this may leave a transfer student disadvantaged when it comes to success in the course.** **Since MATH 144 covers content in geometry, combinatorics, probability, and statistics, having a basic grasp on numerical operations, percentages and decimals is paramount. Therefore, we believe that ensuring a student has some recent background in fundamental mathematical concepts leaves the students with better odds of successfully completing the course.** |
| A.5. [Student impact](#student_impact)Must include to explain why this change is being made? | **This change fundamentally only affects elementary education-intended transfer students without the mathematics competency requirement fulfilled that have received transfer credit for MATH 143. As completion of the mathematics competency is a prerequisite for admission to any undergraduate degree program in the Feinstein School of Education and Human Development, we expect that this change will have minimal overall impact. Some students may need to delay their enrollment in MATH 144 until the requirement is completed.**  |
| A.6.a. [Impact on other programs](#impact)  | **As the fulfillment of mathematics competency is already a requirement for admission to FSEHD programs, we expect the impact on their programs to be negligible, but they have been notified of the change, so that they can update their Academic Rhode Maps to reflect the change.** |
| A.6.b. Will this impact [transfer agreements](file:///C%3A%5CUsers%5Cmarkm%5CDownloads%5CCheck%20relevant%20JAAs%2C%202%2B2s%2C%20and%20if%20a%20course%20you%20are%20revising%20or%20deleting%20is%20one%20with%20a%20transfer%20agreement)? Explain how and list what needs to be updated. | **No impact** |
| A.7. [Resource impact](#Resource) | [*Faculty PT & FT*](#faculty):  | **None** |
| [*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 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)  | **MATH 144** | **MATH 144** |
| B.3. [Course title](#title)  | **Mathematics for Elementary School Teachers II** | **Mathematics for Elementary School Teachers II** |
| B.5. [Prerequisite(s)](#prereqs) | **MATH 143, with a minimum grade of C, or consent of department chair.** | **Completed college mathematics competency or appropriate score on the mathematics placement exam and MATH 143, with a minimum grade of C, or consent of department chair.**  |

| 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. Geometry
	1. Lines, Planes, and Angles
	2. Triangles
	3. Quadrilaterals, Polygons, and Circles
	4. Surfaces and Solids
	5. Congruence and Similarity
	6. Coordinate and Transformation Geometry
2. Measurement
	1. Length and the Measurement Process
	2. Perimeter, Area, Surface Area, Volume
3. Probability and Statistics
	1. Representing and Analyzing Data
	2. Experimental Probability and Making Predictions from Data
	3. Theoretical Probability
	4. Conditional and Geometric Probability, Odds, Expected Value
	5. Counting Techniques
 |

## 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 |
| --- | --- | --- | --- |
| Rebecca Sparks | Chair of the Department of Mathematical Sciences | \*approved by e-mail | 4/12/2022 |
| Earl Simson | Dean of the Faculty of Arts and Sciences | Earl Simson | 4/14/2022 |

##### 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 |
| --- | --- | --- | --- |
| Carolyn Obel-Omia | Chair ELED | \*acknowledged by e-mail | 4/29/2022 |
| Jeannine Dingus-Eason | Dean FSEHD | *Jeannine E. Dingus-Eason* | 5/6/22 |
|  |  |  |  |