


CIE - 621 - Integrated STEM Education Mathematics Content

v 2 Graduate Course Create 2019-20


I. Course Information


Read before you begin

TURN ON help text before starting this proposal by clicking  in the top right corner of the heading. You will need to turn on help text again after any actions that refresh the page including after saving proposals.

FILL IN all fields, including all required fields (marked with an *). You will not be able to launch the proposal without completing required fields.

LAUNCH proposal by clicking  in the top left corner.

Finish the launch of your proposal by clicking the icon  located in the Proposal Toolbox on left side at top. Make your decision, comment is optional, and click on "Make decision".

You can check the status of the proposal by clicking  in Proposal Toolbox to verify that the proposal has gone to the next step.

College/ Department*	Teaching and Learning	
Prefix:*	CIE	Number: * 621
Is a new Prefix being suggested?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Suggested Prefix		
Long Course Name:*	Integrated STEM Education Mathematics Content	
Short Course Name*	Integrated STEM Math Content	

Tips

avoid the use of the words *student*, *course*, and *covers*
 incomplete sentences are ok
 avoid repeating the course title

(50 words max)

Catalog Description*

Focuses on mathematics content that can be used for integrated STEM (Science, Technology, Engineering, and Mathematics) education at the K-8 level.

First Term Course Offered*

Fall 2019

Explanation for Course Create*

This course will be included in a new K-8 STEM Education certificate and new K-8 STEM education emphasis area for the Master of Science-Curriculum and Instruction Program. The new certificate and emphasis area meet the needs of an increased interest in STEM Education. Educators are interested in learning more about integrating STEM subjects and improving their current practice.

II. Catalog Information

Will this be an experimental (x) course?* Yes No

Has this course number been used previously as an Experimental (X) course? Yes No

If yes, X-Course Prefix

X-Course Code

Program(s) impacted by this new course*

This course will be included in a new K-8 STEM Education certificate and new K-8 STEM education emphasis area for the Master of Science-Curriculum and Instruction Program. A program change form will be filled out and a certificate create form.

Substantive changes will necessitate a Program Change form be submitted.

Detail the changes to the program catalog entry required due to the creation of this course.*

This course will be included in a new K-8 STEM Education certificate and new K-8 STEM education emphasis area for the Master of Science-Curriculum and Instruction Program. A program change form will be filled out and a certificate create form.

Fixed/Variable Credits* Fixed Variable

If fixed, enter number of credits. If variable, enter minimum and maximum credits (E.g., 1-3)

Number of Credits 3

Course is Yes

If yes, the

repeatable*

No

maximum number of credits that may be earned is

Grading System*

- Letter Grade
- S/U
- S/F
- Thesis/Dissertation

Is this a Special Topics course?*

Yes No

Sub-topic(s)

Are topics repeatable?

Yes No

If yes, number of credits

Prerequisites

Graduate Standing

Corequisites

Does this course have any non-credit components?

Yes No

If yes, indicate component(s)

- Clinical
- Discussion
- Field Studies
- Independent Study
- Internship
- Laboratory
- Lecture
- Practicum
- Research
- Seminar
- Supervision
- Thesis Research

Will this course be listed as the 'same as' another course?*

Yes No

If yes, list the course

Indicate the instructional

In Person Supplemental Web

- modes that should be available for scheduling***
- Field Study
 - Hybrid
 - Independent Study
 - In Person
 - Television
 - Web-based
 - Web-based w/ on/off campus meeting

III. Evaluation of Library Resources

This section is completed by course developer—indicate library resources that will be needed to support this course

Will this course creation require changes to library resources?* Yes No

Please indicate library resources that will be needed to support students taking this course*

- Core journals
- Core books (not required texts)
- Electronic resources (e.g., databases, videos, media, etc.)

Critically needed journals for this subject area: Teaching Children Mathematics, Mathematics Teaching in the Middle School, Mathematics Teacher: Learning and Teaching PK-12 (This is a new journal starting in January 2020)

Core books needed:

Electronic Resources:

This section is completed by the librarian.

Level of support the Library can provide

Library Comments


IV. Syllabus

A syllabus in Word or PDF format must accompany this form.

Graduate syllabi must meet the minimum criteria as required by the Provost's office (See Semester Memo under Executive Vice President and Provost Policies and Forms <http://www.unlv.edu/policies>). Graduate courses that are linked to undergraduate courses (300/500 and 400/600 level joint courses) must clearly state in the syllabus how the class experience and expectations are different for graduate students, what additional requirements students enrolled in

the graduate level course must fulfill, and how the grading scale will be applied to graduate students.

Attachments List

Please attach any required files by navigating to the Proposal Toolbox and clicking  in the top right corner.

Attached syllabus* Attached

V. Department Vote Information

Date faculty voted on proposal 2-20-19

Result of vote (Number of yes/no/abstention votes) 13-0-0

Manner of vote (online, in-person, etc.) in-person

VI. Unit Vote Information

Date faculty voted on proposal 10/28/2019

Result of vote (Number of yes/no/abstention votes) 8-8

Manner of vote (online, in-person, etc.) person

VIII. Implementation and Processing

PS Processing Notes

PS Processing Date

Initials

Acalog Processing Notes

Acalog Processing Date

Initials

Comments for CIE - 621 - Integrated STEM Education Mathematics Content

Curriculog	2/18/2020 4:59 pm Reply
James Navalta has approved this proposal on behalf of Graduate Course Review Committee. See Graduate Course Review Committee 02-12-2020 for more information.	
Curriculog	11/5/2019 4:44 pm Reply
Tracy Spies has approved this proposal on Associate Dean for Graduate Studies/ Dean.	
Lisa Bendixen	10/28/2019 12:29 pm Reply
Unanimous, in-person vote 8/8.	
Curriculog	10/28/2019 12:29 pm Reply
Lisa Bendixen has approved this proposal on School/College Committee.	
Curriculog	8/20/2019 12:16 pm Reply
Teacher Education Graduate Coordinator has approved this proposal on Graduate Coordinator/Department Chair.	
Curriculog	8/20/2019 11:20 am Reply
TL Graduate Coordinator has approved this proposal on Graduate Coordinator/Department Chair.	
Curriculog	8/20/2019 11:13 am Reply
TL Chair has approved this proposal on Graduate Department Curriculum Committee.	
Curriculog	8/17/2019 8:35 am Reply
TL Graduate Coordinator has approved this proposal on Graduate Department Curriculum Committee.	
Graduate Curriculum	8/16/2019 12:07 pm Reply
no concerns.	
Curriculog	8/16/2019 12:07 pm Reply
Graduate Curriculum has approved this proposal on Technical Review.	

Curriculog

8/16/2019 11:51 am [Reply](#)

System Administrator Graduate Curriculum has restarted the Technical Review step as a result of participants being added to or removed from the step.

Curriculog

8/16/2019 11:31 am [Reply](#)

Graduate Curriculum has approved this proposal on Technical Review.

Curriculog

8/16/2019 11:23 am [Reply](#)

System Administrator Graduate Curriculum has restarted the Technical Review step as a result of participants being added to or removed from the step.

Curriculog

8/16/2019 11:22 am [Reply](#)

System Administrator Graduate Curriculum has restarted the Technical Review step as a result of participants being added to or removed from the step.

Graduate Curriculum

8/16/2019 9:56 am [Reply](#)

No concerns.

Curriculog

8/16/2019 9:56 am [Reply](#)

Graduate Curriculum has approved this proposal on Technical Review.

Curriculog

8/12/2019 1:46 pm [Reply](#)

System Administrator Graduate Curriculum has restarted the Technical Review step as a result of participants being added to or removed from the step.

Curriculog

8/10/2019 10:58 am [Reply](#)

Micah Stohlmann has approved this proposal on Originator.

Graduate Curriculum

2/25/2019 3:25 pm [Reply](#)

- 1. In the syllabus, please insert sample course schedule that includes topics, assignments, and due dates.
- 2. Please review suggested changes to course description.
- 3. Please specify pre-requisite.

Note to GC- please check the proposed course number

Curriculog

2/25/2019 3:25 pm [Reply](#)

Graduate Curriculum has rejected this proposal on Technical Review.

Curriculog	2/12/2019 12:02 pm Reply
Micah Stohlmann has approved this proposal on Originator.	
Curriculog	2/12/2019 12:00 pm Reply
Micah Stohlmann has launched this proposal.	