

ME - 749 - Applied Dental Materials

2 Graduate Course Create 2022-23

I. Course Information

The faculty member originating this proposal is to complete sections I,II, III and IV.

Before starting this form, please review graduate curriculum website on policies and processes: <https://www.unlv.edu/graduatecollege/curriculum>

FILL IN ALL FIELDS. You will not be able to launch/submit the proposal without completing the required fields.

Department:*

Mechanical Engineering

Prefix:*

ME

Number:* 749

Is the creation of a new Prefix being requested?*

Yes

No

Suggested New Prefix:

Long Course Name:* Applied Dental Materials

Short Course Name (25 characters, can be abbreviated):* Applied Dental materials

Explanation for Course Creation:* This course provides students with foundational knowledge of the nature and behavior of materials used in dentistry and their application in dental practice. It will help our graduate students to work in the relevant biomedical engineering industry.

Differential fees required for this course?*

Yes

No

If yes, please explain:

Creating the Catalog Description:

avoid the use of the words *student*, *course*, and *covers*.

incomplete sentences are ok.

avoid repeating the course title.

use of an active voice, e.g. explores, investigates,...

50 words max.

Catalog Description 50 words limit (read guidelines above):*

Foundational knowledge of the nature and behavior of materials in dentistry and their application in practice: materials specifications, evaluation programs and agencies; Structure, properties and surface activity of materials; Principles and theories of metals, waxes, impressions, gypsum, polymers, ceramic materials; and abrasion, finishing, polishing and analysis of sensitivity and failures.

Is this course a
culminating
experience?*

Yes

No

If Yes, to which
programs?

First term and year
you intend to offer
this course:*

Summer 2022

Service-Learning designation

Information about Service-Learning is available [here](#). Faculty can visit the [faculty Service-Learning page](#) as well as the [UNLV Guide for Service Learning](#) for additional information.

Are you adding a
Service-Learning
designation to this
course?*

Yes

No

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

If yes, X-Course
Prefix:

X-Course Number:

X-Course maximum offering

X Courses can only be offered a maximum of two times and within a two year limit after approval.

How many times will
this x-course be
offered? 1
 2

Program Changes Needed?

If program changes are needed as a result of this course creation, a **separate program change proposal must be submitted.**

Please describe below your plan for program changes related to this proposal.

QUESTIONS? contact gradcurriculum@unlv.edu

Program(s) impacted
by this new course:* None.

Detail the changes to
the program catalog
entry required due to
the creation of this
course:* None.

CROSS-LISTING OR COMBINING COURSES

300- or 400-level courses may be cross-listed with 500-level courses; 400-level courses may also be cross-listed to 600-level courses. Courses that are at the 700 level and above may not be cross-listed with undergraduate courses.

Select one of the
options:* Same As = e.g. Undergraduate: same content and same career (UG/UG). Graduate:
Same/similar course content and same career (Grad/Grad)
 Cross-listing = Cross-listed courses contain the same or similar content and may be in
different programs (e.g. WMST 621 & SOC 621) or different careers (e.g. BIOL 467 &
BIOL 667 or PSC 722 & PHIL 728)
 Not Cross-Listed or Same As

List cross-listing
courses (or type
"none"):* none

CROSS-LISTING RATIONALE

Please answer the following questions in the "rationale" field below:

What aspect of graduate preparation is met via this course that goes beyond the undergraduate program?

What common aspects are offered in the cross-listings and what grad level pieces are not?

What would be beneficial in offering the cross-listed courses from a graduate education perspective?

**Cross-listing
Rationale:**

Credits

**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 Repeatability

**Can students repeat
this course?*** Yes
 No

**If yes, insert
maximum credits
students can earn
(blank=unlimited):**

Grading

Grading System* Letter Grade
 S/U
 S/F (will count towards GPA)
 S/X/F for Thesis/Dissertation

**The passing grade for
courses is assumed
as B- unless stated
otherwise. Please
indicate a different
passing grade for this
course if applicable:**

Special Topics Courses

Is this a Special Yes No

Topics course?* — —

List the topic(s):

Are topics repeatable? Yes No

If yes, list the credit limit for each topic:

Requisites (if any)

Graduate standing is the default prerequisite for all graduate-level courses.

Prerequisites:

Corequisites - course(s) that must be taken concurrently:

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
- Dissertation Research

Indicate the instructional modes that should be available for scheduling:*

- In Person Supplemental Web
- Field Study
- Hybrid
- Independent Study
- Web-based
- Web-based w/ on/off campus meeting
- Other

If other instructional mode, please describe and explain:

III. Evaluation of Library Resources

A. This section is completed by the faculty member originating this proposal—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.)
- New Option

Critically needed journals for this subject area:

Core books needed:

Electronic Resources:

B. This section is completed by the librarian.

Level of support the Library can provide:

Library Comments:

IV. Syllabus

Syllabus

An accessible 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 <https://www.unlv.edu/policies/current-policies>).

Cross-listed / Combined courses have only one syllabus that includes all the information for all courses being cross-listed/combined.



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.


Please attach an accessible syllabus by navigating to the “attach a file” icon at the right of this form.

Files Attached:* Accessible Syllabus

READY TO SUBMIT?

After completing the form, please follow these steps:

1. Finish the launch of your proposal by clicking the decisions icon  located to the right of the form. This will display a new decision/approval field on the top right.
2. Click on "approve", add an optional comment if necessary, and then click on the "Make My Decision" button at the bottom to move the proposal forward to the next step. You will see a notification indicating that the proposal has moved forward. You will not be able to edit after moving the proposal forward.
3. Please note that it is your responsibility as the proposer to see that the proposal is reviewed and receives all necessary approvals. Please be encouraged to reach out to reviewers on each step, if necessary.
4. You can check the status of the proposal by clicking on the workflow status icon  to verify that the proposal has gone to the next step.


The workflow status icon  will also show you the current step of the proposal at any given time, and who are the reviewers at that step.


QUESTIONS? contact gradcurriculum@unlv.edu

V. Department Vote Information

Note: This section is to be filled out by the Department Chair on behalf of the department committee.

(The role has been assigned to the corresponding person on this step. If incorrect, please notify gradcurriculum@unlv.edu)

1. Review the proposal. Discuss and make appropriate revisions.
2. Fill in vote information in the fields below, along with the approval.
3. Then approve/reject by clicking the decisions icon  located to the right of the form. This will display a new decision/approval field on the top right. Click on "approve", add an optional comment if necessary, and then click on the "Make My Decision" button at the bottom to move the proposal forward to the next step. You will see a notification indicating that the proposal has moved forward. You will not be able to edit after moving the proposal forward.

The workflow status icon  will also show you the current step of the proposal at any given time, and who are the reviewers at that step.

If there were any modifications to the proposal, please enter them in the comments box below:

Comments:

Date faculty voted on proposal: 10/22/21

Result of vote (Number of yes/no/abstention votes): 19/0/0

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


VI. College Vote Information


Note: This section is to be filled out by the Academic Associate Dean on behalf of the college/school committee.

(The role has been assigned to the corresponding person on this step. If incorrect, please notify gradcurriculum@unlv.edu)

1. Review the proposal. Discuss and make appropriate revisions.

2. Fill in vote information in the fields below, along with the approval.

3. Then approve/reject by clicking the decisions icon  located to the right of the form. This will display a new decision/approval field on the top right. Click on "approve", add an optional comment if necessary, and then click on the "Make My Decision" button at the bottom to move the proposal forward to the next step. You will see a notification indicating that the proposal has moved forward. You will not be able to edit after moving the proposal forward.

The workflow status icon  will also show you the current step of the proposal at any given time, and who are the reviewers at that step.

Date faculty voted on proposal: 12/3/21

Result of vote (Number of yes/no/abstention votes): 3-0-1

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

VII. Graduate College and Registrar Use Only

PS Processing Notes: CIP: 14.1901 Mechanical Engineering
Academic Org: LV2380, Mechanical Engineering

PS Processing Date:

Initials:

**Aalog Processing
Notes:**

**Aalog Processing
Date:**

Initials:

Comments for ME - 749 - Applied Dental Materials

Curriculog	2/22/2022 10:57 am Reply
Graduate Curriculum has approved this proposal on Grad Curriculum Implementation / Follow Up.	
Curriculog	2/17/2022 3:06 pm Reply
Emily Lin has approved this proposal on Graduate College Dean.	
Curriculog	2/17/2022 2:09 pm Reply
Graduate Curriculum has approved this proposal on Graduate Course Review Committee.	
Curriculog	2/16/2022 1:55 pm Reply
James Navalta has approved this proposal on behalf of Graduate Course Review Committee. See Graduate Course Review Committee 02-09-2022 for more information.	
Curriculog	12/6/2021 11:20 am Reply
Mohamed Trabia has approved this proposal on School/College Associate Dean/ Dean.	
Melissa Morris	12/4/2021 12:00 pm Reply
The committee has voted to approve this proposal with 3 yes votes and one faculty member was contacted numerous times over 3 weeks and did not respond to vote requests. Dean Venkat advised the majority was OK and the missing member's vote was not needed.	
Curriculog	12/4/2021 12:00 pm Reply
Melissa Morris has approved this proposal on School/College Committee.	
Curriculog	11/8/2021 10:06 am Reply
Mechanical Chair has approved this proposal on Department Chair.	
Curriculog	11/8/2021 9:32 am Reply
Mechanical Graduate Coordinator has approved this proposal on Graduate Coordinator.	
Curriculog	11/5/2021 8:35 am Reply
Graduate Curriculum has approved this proposal on Technical Review.	

Curriculog

11/3/2021 2:41 pm [Reply](#)

Hui Zhao has approved this proposal on Originator.

Graduate Curriculum

11/2/2021 3:46 pm [Reply](#)

- Please review suggestive revised description. If satisfactory, no action needs to be taken regarding description, simply approve the proposal once again. Otherwise please re-edit and approve with comments.

Questions? please contact gradcurriculum@unlv.edu

Curriculog

11/2/2021 3:46 pm [Reply](#)

Graduate Curriculum has rejected this proposal on Technical Review.

Curriculog

10/28/2021 3:32 pm [Reply](#)

Hui Zhao has approved this proposal on Originator.

Curriculog

10/28/2021 3:31 pm [Reply](#)

Hui Zhao has launched this proposal.