General Studies Request Form

Please see the [General Studies Request Overview and FAQ](#) for information and quick answers.

New permanent numbered courses must be submitted to the workflow in [Kuali CM](#) before a General Studies request is submitted here. The General Studies Council will not review requests ahead of a new course proposal being reviewed by the Senate.

Proposal Contact Information

Submitter Name	Submitter Email	Submitter Phone Number
Carl Whitesel	annapurna.ganesh@mesacc.edu	480-461-7305

College/School	Department/School
Community College	Maricopa County Community College District

Submission Information

Type of submission:

Mandatory Review (Course or topic currently holds this designation and is undergoing 5-year review)

What is Mandatory Review?
Courses and topics previously approved for General Studies must be reviewed every five years by the General Studies Council to verify requirements are still met.

Community College Request
Eligibility: Courses must have a current Course Equivalency Guide (CEG) evaluation. Courses evaluated as NT (non-transferable) are not eligible for General Studies.

Courses approved for General Studies require mandatory review every five years.

Subject (CC)	Number (CC)	Units/Credit Hours (CC)
ECE	150	3

Course Title (CC)

Exploring Engineering and its Impact on Society

Course Description (CC)

Introduction to the profession of engineering and its impact on culture and society.

Is this a crosslisted course?

No

This course currently transfers to ASU as:

University Elective

Is this a multi-section course?

Yes

Is it governed by a common syllabus?
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Yes

General Studies
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Requested Designation

HU - Humanities, Arts and Design

HU: Humanities, Arts and Design
Rationale and Objectives

The humanities disciplines are concerned with questions of human existence and meaning, the nature of thinking and knowing, with moral and aesthetic experience. The humanities develop values of all kinds by making the human mind more supple, critical, and expansive. They are concerned with the study of the textual and artistic traditions of diverse cultures, including traditions in literature, philosophy, religion, ethics, history, and aesthetics. In sum, these disciplines explore the range of human thought and its application to the past and present human environment. They deepen awareness of the diversity of the human heritage and its traditions and histories, and they may also promote the application of this knowledge to contemporary societies.

The study of the arts and design, like the humanities, deepens the student's awareness of the diversity of human societies and cultures. The arts have as their primary purpose the creation and study of objects, installations, performances, and other means of expressing or conveying aesthetic concepts and ideas. Design study concerns itself with material objects, images and spaces, their historical development, and their significance in society and culture. Disciplines in the arts and design employ modes of thought and communication that are often nonverbal, which means that courses in these areas tend to focus on objects, images, and structures and/or on the practical techniques and historical development of artistic and design traditions. The past and present accomplishments of artists and designers help form the student's ability to perceive aesthetic qualities of artwork and design.

The Humanities, Arts and Design are an important part of the General Studies program, for they provide an opportunity for students to study intellectual and imaginative traditions and to observe and/or learn the production of artwork and design. The knowledge acquired in courses fulfilling the Humanities, Arts and Design requirement may encourage students to investigate their own personal philosophies or beliefs and to understand better their own social experience. In sum, the Humanities, Arts and Design core area enables students to broaden and deepen their consideration of the variety of human experience.

[Revised March 2021]
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Note: The following types of courses are excluded from the "HU" designation, even though they might give some consideration to the humanities, arts and design:
1. Courses devoted primarily to developing skill in the use of a language.
2. Courses devoted primarily to the acquisition of quantitative or experimental methods.
3. Courses devoted primarily to teaching skills.

"HU" courses must meet *either* 1, 2, or 3 *and* at least one of the criteria under 4 in such a way as to make the satisfaction of these criteria **a central and substantial portion** of the course content.

Select which "HU" criteria this course meets.
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1. Emphasizes the study of values; the development of philosophies, religions, ethics or belief systems; and/or aesthetic experience.

2. Concerns the interpretation, critical analysis, or creation of written, aural, or visual texts; and/or the critical analysis (not summary or memorization) of historical development of textual traditions.

3. Concerns the interpretation, critical analysis, or engagement with aesthetic practices; and/or the critical analysis (not summary or memorization) of historical development of artistic or design traditions.

"HU" Criteria 1
Emphasizes the study of values; the development of philosophies, religions, ethics or belief systems; and/or aesthetic experience.

Identify the submitted documentation that provides evidence.

Course Learning Outcomes and Syllabus

How does this course meet the spirit of this criteria?

These topics are met through assessment of multiple assignments, including homework and class preparation, in-class activities, an exam, and all of the projects, in varying degrees, based on the scaffolding that students need as they learn the details of these concepts

Please provide detailed evidence of how this course meets this criteria (i.e. where in the syllabus or other course materials).

There are multiple assessments throughout the course that measure student understanding related to the following learning outcomes:

Course Learning Outcome 1: Describe how engineering connects with a variety of disciplines

Course Learning Outcome 2: Assess Engineering's impact in and on society

Course Learning Outcome 3: Explain the ethical implications of engineering in and on society

Course Learning Outcome 6: Identify personal motivations, strengths, interests, and skills through self-reflection

"HU" Criteria 2
Concerns the interpretation, **critical analysis**, or creation of written, aural, or visual texts; and/or the **critical analysis (not summary or memorization)** of historical development of textual traditions.

Identify the submitted documentation that provides evidence.

Course Learning Outcomes and Syllabus

How does this course meet the spirit of this criteria?

These topics are met through assessment of multiple assignments, with the primary source being project proposals, updates, documentation and reports, as well as oral or video presentations. Historical development stems from understanding engineering's historical through modern impact on society, with applications of this in the design of solutions to problems, as well as presentation of those solutions.

Please provide detailed evidence of how this course meets this criteria (i.e. where in the syllabus or other course materials).

Course Learning Outcome 2: Assess Engineering's Impact in and on society

Course Learning Outcome 4: Demonstrate professional skills, including collaboration, communication, and project management

Course Learning Outcome 5: Apply Engineering principles to address local and global needs

"HU" Criteria 3

Concerns the interpretation, critical analysis, or engagement with aesthetic practices; and/or the **critical analysis (not summary or memorization)** of historical development of artistic or design traditions.

Identify the submitted documentation that provides evidence.

Course Learning Outcomes and Syllabus

How does this course meet the spirit of this criteria?

These topics are met through assessment of the application of the engineering design process and analyzing good and bad historical and modern designs, and include supporting practices related to ethics, aesthetics, and other local and global societal design considerations, such as Universal Design, etc.

Please provide detailed evidence of how this course meets this criteria (i.e. where in the syllabus or other course materials).

Course Learning Outcome 5: Apply Engineering principles to address local and global needs

Course Learning Outcome 6: Identify personal motivations, strengths, interests and skills through self-reflection

"HU" Criteria 4

In addition, an "HU" course must meet one or more of the following requirements. Select all that apply.

c. Emphasizes aesthetic experience and creative process in literature, arts, and design.

"HU" Criteria 4C Information
Emphasizes aesthetic experience and creative process in literature, arts, and design.

Identify the submitted documentation that provides evidence.

Course Learning Outcomes and Syllabus

How does this course meet the spirit of this criteria?

These topics are met through assessment of students analysis of good and bad historical and modern art and designs, and how they take that into consideration for their own designs.

Please provide detailed evidence of how this course meets this criteria (i.e. where in the syllabus or other course materials).

Course Learning Outcome 1: Describe how Engineering connects with a variety of disciplines

Course Learning Outcome 2: Assess Engineering's impact in and on society

Course Learning Outcome 5: Apply engineering principles to address local and global needs

Attach a sample syllabus for this course or topic, including the list of any required readings.

[ECE150 Syllabus - Re-Application for HU Transfer.pdf](ECE150%20Syllabus%20-%20Re-Application%20for%20HU%20Transfer.pdf)

Attach the table of contents from any required textbook(s).

[ECE150 Textbook Tables of Contents.pdf](ECE150%20Textbook%20Tables%20of%20Contents.pdf)

Attach any other materials that would be relevant or helpful in the review of this request.

No Response

Admin Only

Mandatory Review Implementation Needed

Form Submission - Proposer

Submitted for Approval | Proposer

Annapurna Ganesh - April 13, 2023 at 10:17 AM (America/Phoenix)

Department Approval

Approved

Annapurna Ganesh - April 13, 2023 at 10:19 AM (America/Phoenix)

UNI 194 will not exist at ASU after Fall 2023

Provost's Office Review

Approved

April Randall - April 13, 2023 at 1:07 PM (America/Phoenix)

Humanities, Arts and Design Mandatory Review

Acknowledgement Requested

Bertha Manninen - April 25, 2023 at 2:07 PM (America/Phoenix)

Revise and resubmit. The course has, as one of its course competencies, dealing with ethics, particularly the "ethical implications of engineering in and on society. The other 5 course competencies don't clearly relate to the humanities. In the official course outline, it states that the students will be studying "ethical considerations" and foster "critical thinking" but, again, that's pretty vague. There is no clear objective or competences that warrant the HU. But the main problem comes with the assignments. There isn't much here that clearly fosters critical thinking or critical analysis. The Individual Project #2 does require that students incorporate "ethics and aesthetics" but it's not very clear on how ethics and aesthetics will be taught. An engineering class may not teach ethics the way, for example, a philosophy class may teach ethics, which clearly promotes critical thinking and analysis. The #2 group project may allow for some critical thinking because students are expected to problem solve a "larger global issue", but that needs to be fleshed out more. Because this is a mandatory review, and the course previously has an HU, we can recommend a revise and resubmit, with a change in the course competencies and outline to clearly illustrate a humanities component, and with more fleshed out assignments that clearly illustrate that students are required to engage in critical thinking and analysis.

Michelle Saint

Mina Suk

Peter Schmidt

General Studies Council Meeting

Waiting for Approval

April Randall

Proposer Notification

Notification

Annapurna Ganesh

CC Notification

Notification

Bryan Tinlin

Michael Canby

Michele Devine