

General Studies Request Form

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 the new course being reviewed by the Senate.

More detailed information about requesting General Studies designations is found [here](#).

Proposal Contact Information

Submitter Name	Submitter Email	Submitter Phone Number
William Kirkham	wkirkham@asu.edu	480-215-7166

College/School	Department/School
Herberger Institute for Design and the Arts (CHI)	School of Music, Dance and Theatre (CMUSIC)

Submission Information

Type of submission:

New Request (Course or topic does not currently hold this designation)

Requested Effective Date

Fall 2023

ASU Request

Is this request for a permanent course or a topic?

Permanent Course

Subject Code	Course Number	Units/Credit Hours
THP	447	3

Course Information

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

Course Title

Vectorworks for Live Entertainment

Course Description

Explores CAD drafting fundamentals and practices for the entertainment industry through Vectorworks.

Is this a crosslisted course?

No

Is this course offered by another academic unit?

No

Requested Designation

CS - Computer/Statistics/Quantitative Applications

CS: Computer/Statistics/Quantitative Applications

Rationale and Objectives

The Mathematical Studies requirement is intended to ensure that students have skill in basic mathematics, can use mathematical analysis in their chosen fields, and can understand how computers can make mathematical analysis more powerful and efficient. The Mathematical Studies requirement is completed by satisfying both the Mathematics "MA" requirement and the Computer/Statistics/Quantitative Applications "CS" requirement explained below.

The Mathematics "MA" requirement, which ensures the acquisition of essential skill in basic mathematics, requires the student to complete a course in College Mathematics, College Algebra, or Precalculus; or demonstrate a higher level of skill by completing a mathematics course for which a course in the above three categories is a prerequisite.

The Computer/Statistics/Quantitative Applications "CS" requirement, which ensures skill in real world problem solving and analysis, requires the student to complete a course that uses some combination of computers, statistics, and/or mathematics.* Computer usage is encouraged but not required in statistics and quantitative applications courses. At a minimum, such courses should include multiple demonstrations of how computers can be used to perform the analyses more efficiently.

*CS does not stand for computer science in this context; the "S" stands for statistics. Courses in computer science must meet the criteria stated for CS courses.

[Approved April 2014]

A Computer/Statistics/Quantitative Applications "CS" course must satisfy one of the following criteria: 1, 2, OR 3.

Select the type of course to see the appropriate criteria.

1. Computer applications

1. Computer applications* courses must satisfy both A and B:

*The computer applications requirement cannot be satisfied by a course, the content of which is restricted primarily to word processing or report preparation skills, the study of the social impact of computers, or methodologies to select software packages for specific applications. Courses that emphasize the use of a computer software package are acceptable only if students are required to understand, at an appropriate level, the theoretical principles embodied in the operation of the software and are required to construct, test, and implement procedures that use the software to accomplish tasks in the applicable problem domains. Courses that involve the learning of a computer programming language are acceptable only if they also include a substantial introduction to applications to one of the listed problem domains.

"CS" Criteria 1A

Course involves the use of computer programming languages or software programs for quantitative analysis, algorithmic design, modeling, simulation, animation, or statistics.

Identify the submitted documentation that provides evidence.

Syllabus

How does this course meet the spirit of this criteria?

Course provides training in entertainment drafting and rendering processes through the use of the industry-standard program Vectorworks. Students complete all assignments utilizing Vectorworks tools and developing their own efficient work-flow.

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

Course Learning Objectives (Syllabus, pg. 1)

Week 1-3 (Syllabus Calendar, pg. 5)

Object Project, Scenic Drafting Package, Light Plot Project (Assignments, pg. 3)

"CS" Criteria 1B

Course requires students to analyze and implement procedures that are applicable to at least one of the following problem domains (check those applicable):

ii. Graphic/artistic design using computers.

iv. Modeling, making extensive use of computer simulation.

"CS" Criteria 1B.ii Information

Graphic/artistic design using computers.

Identify the submitted documentation that provides evidence.

Syllabus

How does this course meet the spirit of this criteria?

Course covers graphic standards for clear communication across the entertainment industry, elements of visual style to support artistic expression, methods and processes for creating visuals for presenting design ideas.

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

Week 5+10 (Syllabus Calendar, pg. 5)

Title Block Project, Scenic Drafting Package, Light Plot Project (Assignments, pg. 3)

"CS" Criteria 1B.iv Information

Modeling, making extensive use of computer simulation.

Identify the submitted documentation that provides evidence.

Syllabus Course covers working in 3D with Vectorworks, as well as plug-in Renderworks - a powerful 3D modeling/ rendering program for developing representations of designs in an explorable 3D environment.

How does this course meet the spirit of this criteria?

Course covers working in 3D with Vectorworks, as well as plug-in Renderworks - a powerful 3D modeling/ rendering program for developing representations of designs in an explorable 3D environment.

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

Week 10, 11, 13+14 (Syllabus Calendar, pg. 5)

Light Plot Project, 3D Project, Renderworks Exploration (Assignments, pg. 3)

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

[THP447 Syllabus.pdf](#)

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

No Response

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

No Response

Form Submission - Proposer

Submitted for Approval | Proposer

William Kirkham - September 28, 2022 at 10:41 AM (America/Phoenix)

Department Approval

Approved

Heather Landes - November 9, 2022 at 10:58 AM (America/Phoenix)

Provost's Office Review

Approved

April Randall - November 15, 2022 at 5:02 PM (America/Phoenix)

Mathematical Studies Committee Review

Acknowledgement Requested

Michelle Zandieh

Michelle Mancenido

Jose Lobo - November 26, 2022 at 11:11 PM (America/Phoenix)

The assessment of the reviewing Committee is a "revise and resubmit." The reasons for this assessment are: (a) the syllabus provided does not clearly address Criteria 1A (specifically which application of a software – quantitative analysis, algorithmic design, modeling, simulation, animation or statistics) the students will learn. (b) While the application refers to the industry in which the software Vectorworks is an "industry standard", neither the application nor the syllabus clearly states the use of the software within the "live entertainment" industry. Revise the course description, course objectives, and learning outcomes to include specific areas of design application within the entertainment industry. For Criteria 1B provide specific examples of how or in what ways the course "requires students to analyze and implement procedures" related to the domains in 1B.ii and 1B.iv.

General Studies Council Meeting

Waiting for Approval

April Randall

Registrar Notification

Notification

Courses Implementation

Implementation

Approval

Rebecca Klein

Lauren Bates

Katie Jensen Ord

Alisha Von Kampen

Proposer Notification

Notification

William Kirkham

ASU Notifications

Notification

Leticia Mayer

Peggy Boivin
