Establishment of eight Design Innovation [DI] courses to support the new Design Innovation Initiative

KENT STATE UNIVERSITY

| Name: | Jennifer S Kellogg | Submission Date: | 1/17/2019 | ☒ |
| Organization: Curriculum Services | | | | |

Course Catalog Update

<< Return to Search Results

Course Catalog Update Information:	STU0004

Reference Number: CCU014329   **Date:** 12-DEC-18

Level: 3.00 **of** 2.00   **Currently On The Worklist Of:** Alison Smith, alisonjs

Owner: Office of Curriculum Services, 330-672-8558 or 330-672-8559, curriculum@kent.edu

Basic Course Data

Change type: Establish

Faculty member submitting this proposal: J.R. Campbell

Requested Effective Term: 201980

Campus: Kent

College: HC-Honors College

Department: HONR-Honors College

Course Subject: Design Innovation-DI

Course Number: 10010

Course Title: Survey of Design Innovation Nodes

Title Abbreviation: DI Nodes

Slash Course and Cross-list Information:

Credit Hours

Minimum Credit/Maximum Credit: 3 to 3

Contact Hours: Lecture - Minimum Hours/Maximum Hours: 3 to 3

Contact Hours: Lab - Minimum Hours/Maximum Hours:

Contact Hours: Other - Minimum Hours/Maximum Hours:

Attributes

Is this course part of the LER, WIC or Diversity requirements: No

If yes, course attributes: 1.   2.   3.

Can this course be repeated for credit: No Repeat	**Course Limit:**	**OR Maximum Hours:**
Course Level: Undergraduate	**Grade Rule:** B-Standard letter	

Rationale for an IP grade request for this course (if applicable):

Schedule Type(s): 1. LEC-Lecture   2.   3.

Credit by Exam: N-Credit by exam-not approved

Prerequisites & Descriptions

Current Prerequisite/Corequisite/Catalog Description:

Catalog Description (edited): Develop awareness and actively utilize the wide array of shared-resource laboratories and environments across Kent State University's eight campus system that are connected as part of the Design Innovation (DI) Ecosystem. Explore the context of maker-communities, emerging technologies and social innovation resources while working in collaborative cross-disciplinary teams to tackle projects that intentionally connect the capabilities of multiple DI Nodes.

Prerequisites (edited): None

Corequisites (edited):

Registration is by special approval only: No

Content Information

Content Outline:

Content Hours per Course Topic	Topic Description

30	DI NODES: visits and lectures (with discussions on the role of making in problem-solving and knowledge generation)
3	Big Ideas at the Intersections Between Disciplines
5	The Challenge Proposal
5	Guiding Questions: Methods to answer complex questions
2	DI Node Proposal Pitch Presentations

Display/Hide Delimited Course Outline

Total Contact Hours: 45

Textbook(s) used in this course: None

Writing Expectations: 3 - 5 page proposal paper

Instructor(s) expected to teach: Course will always be co-taught by at least two faculty members from different academic units. Variable depending on course topic.

Instructor(s) contributing to content: J.R. Campbell and the Design Innovation Curricular Task Force

Proposal Summary

Explain the purpose for this proposal:

This course exposes and connects the existing shared-resources at Kent State across the entire Design Innovation Ecosystem and builds collaboration capabilities for students in support of design innovation practices. The Design Innovation Initiative seeks to amplify Kent State distinction that is designed to engage students as world changers, with flexible creative purpose driven minds – preparing them to be leaders in a rapidly changing world. The Grand Challenges studio is designed to tackle significant and meaningful challenges, attract industry and agency support, attention from the press and public and yield greater enrollment.

Explain how this proposal affects program requirements and students in your unit:

Helps support the design innovation initiative create collaborative cross-disciplinary problem-based learning for students from any major.

Explain how this proposal affects courses, program requirements and student in other units:

Serves as a free elective and-or a disciplinary elective for those programs that allow it to be counted.

Explain how this proposal affects enrollment and staffing:

Will be offered only when faculty resources permit and student demand is sufficient. Interdisciplinary teaching means a commitment on the part of the colleges (revenue units) to loaning faculty to this enterprise for financial return.

Units consulted (other departments, programs or campuses affected by the proposal):

The Design Innovation Team includes faculty and administrative leadership members from seven colleges that have expressed support for the Design Innovation Initiative.

Curriculum Services Information:

Approved by EPC:	**Curriculum Bulletin:**
Cross-list Banner Code:	**OBR Course Level:**
OBR Program Code:	**OBR Subsidy Code:**
CIP Code:	**Term Start:**
	Term End:

Comments (500 Character Maximum):

NOTE: Please do not use the following restricted characters: (~ * / \ --)

Comments:

Date	User	Comment
12/12/2018	James R Campbell	No comments available.

History:

Date	User	Status
12/17/2018	Alison J Smith	Approved
12/17/2018	Alison J Smith	Approved
12/12/2018	James R Campbell	Submitted

KENT STATE UNIVERSITY

Name:	Jennifer S Kellogg	Submission Date: 1/17/2019	☒

Organization: Curriculum Services

Course Catalog Update

<< Return to Search Results

Course Catalog Update Information:	STU0004

Reference Number: CCU014330   **Date:** 12-DEC-18

Level: 3.00 **of** 2.00   **Currently On The Worklist Of:** Alison Smith, alisonjs

Owner: Office of Curriculum Services, 330-672-8558 or 330-672-8559, curriculum@kent.edu

Basic Course Data

Change type: Establish

Faculty member submitting this proposal: J.R. Campbell

Requested Effective Term: 201980

Campus: Kent

College: HC-Honors College

Department: HONR-Honors College

Course Subject: Design Innovation-DI

Course Number: 20020

Course Title: Be Smarter Than Your Smartphone

Title Abbreviation: DI Smartphone

Slash Course and Cross-list Information:

Credit Hours

Minimum Credit/Maximum Credit: 3 to 3

Contact Hours: Lecture - Minimum Hours/Maximum Hours: 3 to 3

Contact Hours: Lab - Minimum Hours/Maximum Hours:

Contact Hours: Other - Minimum Hours/Maximum Hours:

Attributes

Is this course part of the LER, WIC or Diversity requirements: No

If yes, course attributes: 1.   2.   3.

Can this course be repeated for credit: No Repeat	**Course Limit:**	**OR Maximum Hours:**
Course Level: Undergraduate	**Grade Rule:** B-Standard letter	

Rationale for an IP grade request for this course (if applicable):

Schedule Type(s): 1. LEC-Lecture 2.   3.

Credit by Exam: N-Credit by exam-not approved

Prerequisites & Descriptions

Current Prerequisite/Corequisite/Catalog Description:

Catalog Description (edited): This course uses the development of the smart phone to illustrate the multi-disciplinary nature of design and innovation. It provides an understanding of the technologies that make the smartphone possible. Specifically, the course covers the role of research and design in product development, the changed in patterns and nature of our communications through smartphones, and the implications for businesses, markets and society. The aim of this course is to introduce the multidisciplinary nature of innovation using the smartphone as an example. It presents the complexities, challenges, and opportunities that the smartphone has created.

Prerequisites (edited): None

Corequisites (edited):

Registration is by special approval only: No

Content Information

Content Outline:

Content Hours per Course Topic	Topic Description
7.50	To understand the basics of the science and technologies that have come together to make the smart phone possible: - What tech came together - Making it happen: How wifi works - Making it happen: How LCDs work
18	To gain an appreciation of how the smartphone came to exist and what its effect have been on society in terms of technology, communications, and business: - Innovation: what is it? - How can we outsmart our phone? - Creative Thinking - Universal Design - Activity: Universal message for the future - Design Models - Activity: Create language w lemon battery - Design Research - Activity: Unexpected storytelling from photo - Product Design - Activity: Product from a made-up word - Visual Design and Usability - Activity: Make something ask someone to use
7.50	To understand the role smartphones have had in changing how people function within society: - Marketing Myopia - Porter's Five Forces - Disruptive Innovation
12	To use the example of the smartphone's birth and effects to appreciate the multidisciplinary nature of design thinking and innovation: - Unintended Consequences of Innovations - When Good Design Becomes Too Easy - Challenges Marketing Innovations - Fashion Wearables - What comes next? Panel Discussion - Presentations: Collage for students

Display/Hide Delimited Course Outline

Total Contact Hours: 45

Textbook(s) used in this course: There is no textbook required for this course. Readings will be assigned in the form of articles or book chapters that can be obtained from the instructors, the library, or on the web.

Writing Expectations: Variable depending on content and delivery of projects.

Instructor(s) expected to teach: Course will always be co-taught by at least two faculty members from different academic units. Variable depending on course topic.

Instructor(s) contributing to content: John West, PhD, Liquid Crystal Institute; Kendra Lapolla, MFA, The Fashion School; David Robins, PhD, School of Visual Communication Design; Tatiana Stettler, PhD, College of Business Administration

Proposal Summary

Explain the purpose for this proposal:

To support introductory analysis of and in design innovation practices through the investigation of a significant disruptive and pervasive technology. The Design Innovation Initiative seeks to amplify Kent State distinction that is designed to engage students as world changers, with flexible creative purpose driven minds – preparing them to be leaders in a rapidly changing world. The Grand Challenges studio is designed to tackle significant and meaningful challenges, attract industry and agency support, attention from the press and public and yield greater enrollment.

Explain how this proposal affects program requirements and students in your unit:

Helps support the design innovation initiative create collaborative cross-disciplinary problem-based learning for students from any major.

Explain how this proposal affects courses, program requirements and student in other units:

Serves as a free elective and-or a disciplinary elective for those programs that allow it to be counted.

Explain how this proposal affects enrollment and staffing:

Will be offered only when faculty resources permit and student demand is sufficient. Interdisciplinary teaching means a commitment on the part of the colleges (revenue units) to loaning faculty to this enterprise for financial return.

Units consulted (other departments, programs or campuses affected by the proposal):

The Design Innovation Team includes faculty and administrative leadership members from seven colleges that have expressed support for the Design Innovation Initiative.

Curriculum Services Information:

Approved by EPC:		**Curriculum Bulletin:**
Cross-list Banner Code:		**OBR Course Level:**
OBR Program Code:		**OBR Subsidy Code:**
CIP Code:		**Term Start:**
		Term End:

Comments (500 Character Maximum):

NOTE: Please do not use the following restricted characters: (~ * / \ --)

Comments:

Date	User	Comment
12/12/2018	James R Campbell	No comments available.

History:

Date	User	Status
12/17/2018	Alison J Smith	Approved
12/17/2018	Alison J Smith	Approved
12/12/2018	James R Campbell	Submitted

KENT STATE UNIVERSITY

| Name: | Jennifer S Kellogg | Submission Date: | 1/17/2019 | ☒ |

Organization: Curriculum Services

Course Catalog Update

<< Return to Search Results

| Course Catalog Update Information: | STU0004 |

Reference Number: CCU014331

Date: 12-DEC-18

Level: 3.00 **of** 2.00

Currently On The Worklist Of: Alison Smith, alisonjs

Owner: Office of Curriculum Services, 330-672-8558 or 330-672-8559, curriculum@kent.edu

Basic Course Data

Change type: Establish

Faculty member submitting this proposal: J.R. Campbell

Requested Effective Term: 201980

Campus: Kent

College: HC-Honors College

Department: HONR-Honors College

Course Subject: Design Innovation-DI

Course Number: 20100

Course Title: Introduction to Design Innovation

Title Abbreviation: Intro to DI

Slash Course and Cross-list Information:

Credit Hours

Minimum Credit/Maximum Credit: 3 to 3

Contact Hours: Lecture - Minimum Hours/Maximum Hours: 2 to 2

Contact Hours: Lab - Minimum Hours/Maximum Hours: 3 to 3

Contact Hours: Other - Minimum Hours/Maximum Hours:

Attributes

Is this course part of the LER, WIC or Diversity requirements: No

If yes, course attributes: 1.   2.   3.

| **Can this course be repeated for credit:** No Repeat | **Course Limit:** | **OR Maximum Hours:** |
| **Course Level:** Undergraduate | **Grade Rule:** B-Standard letter | |

Rationale for an IP grade request for this course (if applicable):

Schedule Type(s): 1. LLB-Combined Lecture and Laboratory 2. LEC-Lecture 3.

Credit by Exam: N-Credit by exam-not approved

Prerequisites & Descriptions

Current Prerequisite/Corequisite/Catalog Description:

Catalog Description (edited): This course blends analytical skills, intuition and creative thinking to develop practical solutions to real world problems. Gain a high-level understanding of the design process through team-based projects tackling challenges. Design thinking, methods and strategies offer novel ways to discover market opportunities, experiment to validate concepts and mitigate risk, and deliver value to all. This will be a reflective lecture and small project-based course that addresses the programmatic, technical, business, social and human factors of design in a way that leads to innovation(s) in the development of integrated solutions. Learn how to engage with end users, effectively frame problems, identify potential solutions, build prototypes to test assumptions and learn what works (and doesn't). Then dive into a range of ways large and small to bring design innovation into your daily life.

Prerequisites (edited): None

Corequisites (edited):

Registration is by special approval only: No

Content Information

Content Outline:

Content Hours per Course Topic	Topic Description
20	Using Design Thinking, Principles and Methods to Innovate and Find Opportunities
10	Exploring Ideas – Becoming aware of skills in lateral thinking – asking questions – looking at things differently – listening – structured play – provisional decision making – iteration
15	Prototyping to Learn
15	Challenge-based Innovation
15	Strategies in Building the Design Innovation Mindset

Display/Hide Delimited Course Outline

Total Contact Hours: 75

Textbook(s) used in this course: There is no textbook required for this course. Readings will be assigned in the form of articles or book chapters that can be obtained from the instructors, the library, or on the web.

Writing Expectations: None

Instructor(s) expected to teach: Course will always be co-taught by at least two faculty members from different academic units.

Instructor(s) contributing to content: J.R. Campbell

Proposal Summary

Explain the purpose for this proposal:

This course addresses design thinking and methods, building collaboration capabilities for students in support of design innovation practices. The Design Innovation Initiative seeks to amplify Kent State distinction that is designed to engage students as world changers, with flexible creative purpose driven minds – preparing them to be leaders in a rapidly changing world.

Explain how this proposal affects program requirements and students in your unit:

Helps support the design innovation initiative by building the mind- and skill-sets needed to engage in collaborative cross-disciplinary problem-based learning.

Explain how this proposal affects courses, program requirements and student in other units:

Serves as a free elective andor a disciplinary elective for those programs that allow it to be counted.

Explain how this proposal affects enrollment and staffing:

Will be offered only when faculty resources permit and student demand is sufficient. Interdisciplinary teaching means a commitment on the part of the colleges (revenue units) to loaning faculty to this enterprise for financial return.

Units consulted (other departments, programs or campuses affected by the proposal):

The Design Innovation Team includes faculty and administrative leadership members from seven colleges that have expressed support for the Design Innovation Initiative.

Curriculum Services Information:

Approved by EPC:	**Curriculum Bulletin:**
Cross-list Banner Code:	**OBR Course Level:**
OBR Program Code:	**OBR Subsidy Code:**
CIP Code:	**Term Start:**
	Term End:

Comments (500 Character Maximum):

NOTE: Please do not use the following restricted characters: (~ * / \ --)

Comments:

Date	User	Comment
12/12/2018	James R Campbell	No comments available.

History:

Date	User	Status
12/17/2018	Alison J Smith	Approved
12/17/2018	Alison J Smith	Approved
12/12/2018	James R Campbell	Submitted

KENT STATE UNIVERSITY

| Name: | Jennifer S Kellogg | Submission Date: | 1/17/2019 | ☒ |

Organization: Curriculum Services

Course Catalog Update

<< Return to Search Results

| Course Catalog Update Information: | STU0004 |

Reference Number: CCU014332

Date: 12-DEC-18

Level: 3.00 **of** 2.00

Currently On The Worklist Of: Alison Smith, alisonjs

Owner: Office of Curriculum Services, 330-672-8558 or 330-672-8559, curriculum@kent.edu

Basic Course Data

Change type: Establish

Faculty member submitting this proposal: J.R. Campbell

Requested Effective Term: 201980

Campus: Kent

College: HC-Honors College

Department: HONR-Honors College

Course Subject: Design Innovation-DI

Course Number: 30100

Course Title: Challenge Based Innovation

Title Abbreviation: Challenge Based Innov

Slash Course and Cross-list Information:

Credit Hours

Minimum Credit/Maximum Credit: 3 to 3

Contact Hours: Lecture - Minimum Hours/Maximum Hours: 2 to 2

Contact Hours: Lab - Minimum Hours/Maximum Hours: 3 to 3

Contact Hours: Other - Minimum Hours/Maximum Hours:

Attributes

Is this course part of the LER, WIC or Diversity requirements: No

If yes, course attributes: 1.   2.   3.

| **Can this course be repeated for credit:** Repeat | **Course Limit:** | **OR Maximum Hours:** |

| **Course Level:** Undergraduate | **Grade Rule:** B-Standard letter |

Rationale for an IP grade request for this course (if applicable):

Schedule Type(s): 1. LLB-Combined Lecture and Laboratory 2.   3.

Credit by Exam: N-Credit by exam-not approved

Prerequisites & Descriptions

Current Prerequisite/Corequisite/Catalog Description:

Catalog Description (edited): Challenge Based Innovation (CBI) is a project and problem-based learning course, where multidisciplinary student teams and their instructors collaborate with faculty researchers, community and industry partners to discover novel solutions for the future of humankind. The projects are an elaborate mixture, proposed by cross-disciplinary faculty teams and derived from using research to tackle messy or complex problems to meet societal, human-driven needs. The multidisciplinary student teams act as catalysts in creating novel solutions to pressing problems.

Prerequisites (edited): DI_20100: Introduction to Design Innovation OR permission of instructors

Corequisites (edited):

Registration is by special approval only: No

Content Information

Content Outline:

| Content Hours | |

per Course Topic	Topic Description
20	Defining, analyzing, reframing the problem
10	Further research, consultation and site visits
10	Developing a collaborative plan for addressing the problem
20	Iterative prototyping to develop knowledge and solutions
7.50	Proposing solutions
7.50	Integrating solutions into the community or venue

Display/Hide Delimited Course Outline

Total Contact Hours: 75

Textbook(s) used in this course: There is no textbook required for this course. Readings will be assigned in the form of articles or book chapters that can be obtained from the instructors, the library, or on the web.

Writing Expectations: None

Instructor(s) expected to teach: Course will always be co-taught by at least two faculty members from different academic units.

Instructor(s) contributing to content: J.R. Campbell and the Design Innovation Curricular Task Force

Proposal Summary

Explain the purpose for this proposal:

This course addresses design thinking and methods, synthesizing and mastering collaboration capabilities for students in support of design innovation practices. The Design Innovation Initiative seeks to amplify Kent State distinction that is designed to engage students as world changers, with flexible creative purpose driven minds – preparing them to be leaders in a rapidly changing world.

Explain how this proposal affects program requirements and students in your unit:

Helps support the design innovation initiative create collaborative cross-disciplinary problem-based learning for students from any major.

Explain how this proposal affects courses, program requirements and student in other units:

Serves as a free elective and-or a disciplinary elective for those programs that allow it to be counted.

Explain how this proposal affects enrollment and staffing:

Will be offered only when faculty resources permit and student demand is sufficient. Interdisciplinary teaching means a commitment on the part of the colleges (revenue units) to loaning faculty to this enterprise for financial return.

Units consulted (other departments, programs or campuses affected by the proposal):

The Design Innovation Team includes faculty and administrative leadership members from seven colleges that have expressed support for the Design Innovation Initiative.

Curriculum Services Information:

Approved by EPC:	**Curriculum Bulletin:**
Cross-list Banner Code:	**OBR Course Level:**
OBR Program Code:	**OBR Subsidy Code:**
CIP Code:	**Term Start:**
	Term End:

Comments (500 Character Maximum):

NOTE: Please do not use the following restricted characters: (~ * / \ --)

Comments:

Date	User	Comment
12/12/2018	James R Campbell	No comments available.

History:

Date	User	Status
12/17/2018	Alison J Smith	Approved
12/17/2018	Alison J Smith	Approved
12/12/2018	James R Campbell	Submitted

KENT STATE UNIVERSITY

Name:	Jennifer S Kellogg	Submission Date: 1/17/2019	☒

Organization: Curriculum Services

Course Catalog Update

<< Return to Search Results

Course Catalog Update Information:	STU0004

Reference Number: CCU014446   **Date:** 17-JAN-19

Level: 1.00 **of** 2.00   **Currently On The Worklist Of:** Alison Smith, alisonjs

Owner: Office of Curriculum Services, 330-672-8558 or 330-672-8559, curriculum@kent.edu

Basic Course Data

Change type: Establish

Faculty member submitting this proposal: J.R. Campbell

Requested Effective Term: 201980

Campus: Kent

College: HC-Honors College

Department: HONR-Honors College

Course Subject: Design Innovation-DI

Course Number: 49095

Course Title: Special Topics in Design Innovation Studio

Title Abbreviation: DI Special Topics Studio

Slash Course and Cross-list Information:

Credit Hours

Minimum Credit/Maximum Credit: 1 to 3

Contact Hours: Lecture - Minimum Hours/Maximum Hours:

Contact Hours: Lab - Minimum Hours/Maximum Hours:

Contact Hours: Other - Minimum Hours/Maximum Hours: 2 to 6

Attributes

Is this course part of the LER, WIC or Diversity requirements: No

If yes, course attributes: 1.   2.   3.

Can this course be repeated for credit: Repeat	**Course Limit:**	**OR Maximum Hours:**
Course Level: Undergraduate	**Grade Rule:** B-Standard letter	

Rationale for an IP grade request for this course (if applicable):

Schedule Type(s): 1. STU-Studio 2.   3.

Credit by Exam: N-Credit by exam-not approved

Prerequisites & Descriptions

Current Prerequisite/Corequisite/Catalog Description:

Catalog Description (edited): Analysis and cross-disciplinary problem-solving of significant and current issues in design innovation not covered in existing design innovation courses. This studio course is offered when opportunities and resources permit; the topic is announced when the course is scheduled.

Prerequisites (edited): DI_20100: Introduction to Design Innovation OR permission of instructors

Corequisites (edited):

Registration is by special approval only: No

Content Information

Variable Contact Hours: 90
Description: 30 - 90

Textbook(s) used in this course: Variable depending on course topic.

Writing Expectations: Writing Expectations: Variable depending on course topic.	
Instructor(s) expected to teach: Course will always be co-taught by at least two faculty members from different academic units. Variable depending on course topic.	
Instructor(s) contributing to content: J.R. Campbell & Design Innovation Curricular Task Force	

Proposal Summary

Explain the purpose for this proposal:

Permits offering of onetime courses in design innovation studio format, as well as piloting of a course before its formal addition as a catalog course. The Design Innovation Initiative seeks to amplify Kent State distinction that is designed to engage students as world changers, with flexible creative purpose driven minds – preparing them to be leaders in a rapidly changing world.

Explain how this proposal affects program requirements and students in your unit:

Helps support the subject of design innovation as an emerging set of processes and mindset (collaborative, inter-cross-disciplinary) that lead to more robust breakthroughs through problem-based learning for students from any major.

Explain how this proposal affects courses, program requirements and student in other units:

Serves as a free elective or a disciplinary elective for those programs that allow it to be counted.

Explain how this proposal affects enrollment and staffing:

Will be offered only when faculty resources permit and student demand is sufficient. Interdisciplinary teaching means a commitment on the part of the colleges (revenue units) to loaning faculty to this enterprise for financial return.

Units consulted (other departments, programs or campuses affected by the proposal):

The Design Innovation Team includes faculty and administrative leadership members from seven colleges that have expressed support for the Design Innovation Initiative.

Curriculum Services Information:

Approved by EPC:	**Curriculum Bulletin:**
Cross-list Banner Code:	**OBR Course Level:**
OBR Program Code:	**OBR Subsidy Code:**
CIP Code:	**Term Start:**
	Term End:

Comments (500 Character Maximum):

NOTE: Please do not use the following restricted characters: (~ * / \ --)

Comments:

Date	User	Comment
1/17/2019	James R Campbell	No comments available.

History:

Date	User	Status
1/17/2019	James R Campbell	Submitted

KENT STATE UNIVERSITY	**Name:** Jennifer S Kellogg	**Submission Date:** 1/17/2019	☒
	Organization: Curriculum Services		

Course Catalog Update

Print

Basic Course Data

Change type: Establish

Faculty member submitting this proposal: J.R. Campbell

Requested Effective Term: 201980

Campus: Kent

College: HC-Honors College

Department: HONR-Honors College

Course Subject: Design Innovation-DI

Course Number: 49900

Course Title: Design Innovation Workshop

Title Abbreviation: DI Workshop

Slash Course and Cross-list Information:

Credit Hours

Minimum Credit/Maximum Credit: 1 to 4

Contact Hours: Lecture - Minimum Hours/Maximum Hours: 1 to 4

Contact Hours: Lab - Minimum Hours/Maximum Hours:

Contact Hours: Other - Minimum Hours/Maximum Hours: 1 to 4

Attributes

Is this course part of the LER, WIC or Diversity requirements: No

If yes, course attributes: 1.   2.   3.

Can this course be repeated for credit: Repeat	**Course Limit:**	**OR Maximum Hours:**
Course Level: Undergraduate	**Grade Rule:** F-Satisfactory/unsatisfactory (S/U)	

Rationale for an IP grade request for this course (if applicable):

Schedule Type(s): 1. WSP-Workshop 2.   3.

Credit by Exam: N-Credit by exam-not approved

Prerequisites & Descriptions

Current Prerequisite/Corequisite/Catalog Description:

Catalog Description (edited): This course supports brief, intensive and interactive activities that address a narrowly defined range of problems in which the content is practical and concentrates on the acquisition of specific information and skills related to practices in design innovation. The variable credit format allows for intensive challenges that might occur in short periods, and that it might be focused on a single problem.

Prerequisites (edited): DI_20100: Introduction to Design Innovation OR permission of instructors

Corequisites (edited):

Registration is by special approval only: No

Content Information

Variable Contact Hours: 60
Description: Variable Contact Hours: up to 60 Description: 15 hours of variable content per credit hour, depending on course topic

Textbook(s) used in this course: Variable depending on course topic.

Writing Expectations: Variable depending on course topic.

Instructor(s) expected to teach: Course will always be co-taught by at least two faculty members from different academic units. Variable depending on course topic.

Instructor(s) contributing to content: Design Innovation Curricular Task Force
Proposal Summary
Explain the purpose for this proposal:
Permits offering of one-time focused workshops in support of design innovation practices. The Design Innovation Initiative seeks to amplify Kent State distinction that is designed to engage students as world changers, with flexible creative purpose driven minds – preparing them to be leaders in a rapidly changing world.
Explain how this proposal affects program requirements and students in your unit:
Helps support the design innovation initiative create collaborative cross-disciplinary problem-based learning for students from any major.
Explain how this proposal affects courses, program requirements and student in other units:
Serves as a free elective and-or a disciplinary elective for those programs that allow it to be counted.
Explain how this proposal affects enrollment and staffing:
Will be offered only when faculty resources permit and student demand is sufficient. Interdisciplinary teaching means a commitment on the part of the colleges (revenue units) to loaning faculty to this enterprise for financial return.
Units consulted (other departments, programs or campuses affected by the proposal):
The Design Innovation Team includes faculty and administrative leadership members from seven colleges that have expressed support for the Design Innovation Initiative.

Curriculum Services Information:	
Approved by EPC:	**Curriculum Bulletin:**
Cross-list Banner Code:	**OBR Course Level:**
OBR Program Code:	**OBR Subsidy Code:**
CIP Code:	**Term Start:**
	Term End:

Comments (500 Character Maximum):

NOTE: Please do not use the following restricted characters: (~ * / \ --)

Comments:

Date	User	Comment
12/12/2018	James R Campbell	No comments available.

History:

Date	User	Status
12/17/2018	Alison J Smith	Approved
12/17/2018	Alison J Smith	Approved
12/12/2018	James R Campbell	Submitted

KENT STATE UNIVERSITY

Name:	Jennifer S Kellogg
Organization: Curriculum Services	**Submission Date:** 1/17/2019 ☒

Course Catalog Update

<< Go back to Course Catalog Update form   Print

Basic Course Data

Change type: Establish

Faculty member submitting this proposal: J.R. Campbell

Requested Effective Term: 201980

Campus: Kent

College: HC-Honors College

Department: HONR-Honors College

Course Subject: Design Innovation-DI

Course Number: 49995

Course Title: Special Topics in Design Innovation

Title Abbreviation: DI Special Topics

Slash Course and Cross-list Information:

Credit Hours

Minimum Credit/Maximum Credit: 1 to 3

Contact Hours: Lecture - Minimum Hours/Maximum Hours: 1 to 3

Contact Hours: Lab - Minimum Hours/Maximum Hours:

Contact Hours: Other - Minimum Hours/Maximum Hours:

Attributes

Is this course part of the LER, WIC or Diversity requirements: No

If yes, course attributes: 1. 2. 3.

Can this course be repeated for credit: Repeat	**Course Limit:**	**OR Maximum Hours:**
Course Level: Undergraduate	**Grade Rule:** B-Standard letter	

Rationale for an IP grade request for this course (if applicable):

Schedule Type(s): 1. LEC-Lecture 2. 3.

Credit by Exam: N-Credit by exam-not approved

Prerequisites & Descriptions

Current Prerequisite/Corequisite/Catalog Description:

Catalog Description (edited): Analysis and cross-disciplinary problem-solving of significant and current issues in design innovation not covered in existing design innovation courses. This course is offered when opportunities and resources permit; the topic is announced when the course is scheduled.

Prerequisites (edited): DI_20100: Introduction to Design Innovation OR permission of instructors

Corequisites (edited): None

Registration is by special approval only: No

Content Information

Variable Contact Hours: 45
Description: Variable Contact Hours: up to 45 Description: 15 hours of variable content per credit hour, depending on course topic

Textbook(s) used in this course: Variable depending on course topic.

Writing Expectations: Variable depending on course topic.

Instructor(s) expected to teach: Course will always be co-taught by at least two faculty members from different academic units. Variable depending on course topic.

Instructor(s) contributing to content: J.R. Campbell & Design Innovation Curricular Task Force

Proposal Summary

Explain the purpose for this proposal:

Permits offering of one-time courses in design innovation, as well as piloting of a course before its formal addition as a catalog course. The Design Innovation Initiative seeks to amplify Kent State distinction that is designed to engage students as world changers, with flexible creative purpose driven minds – preparing them to be leaders in a rapidly changing world.

Explain how this proposal affects program requirements and students in your unit:

Helps support the subject of design innovation as an emerging set of processes and mindset (collaborative, inter-cross-disciplinary) that lead to more robust breakthroughs through problem-based learning for students from any major.

Explain how this proposal affects courses, program requirements and student in other units:

Serves as a free elective or a disciplinary elective for those programs that allow it to be counted.

Explain how this proposal affects enrollment and staffing:

Will be offered only when faculty resources permit and student demand is sufficient. Interdisciplinary teaching means a commitment on the part of the colleges (revenue units) to loaning faculty to this enterprise for financial return.

Units consulted (other departments, programs or campuses affected by the proposal):

The Design Innovation Team includes faculty and administrative leadership members from seven colleges that have expressed support for the Design Innovation Initiative.

Curriculum Services Information:

Approved by EPC:	**Curriculum Bulletin:**
Cross-list Banner Code:	**OBR Course Level:**
OBR Program Code:	**OBR Subsidy Code:**
CIP Code:	**Term Start:**
	Term End:

Comments (500 Character Maximum):

NOTE: Please do not use the following restricted characters: (~ * / \ --)

Comments:

Date	User	Comment
12/12/2018	James R Campbell	No comments available.

History:

Date	User	Status
12/17/2018	Alison J Smith	Approved
12/17/2018	Alison J Smith	Approved
12/12/2018	James R Campbell	Submitted

KENT STATE UNIVERSITY

| Name: | Jennifer S Kellogg | Submission Date: 1/17/2019 | ☒ |

Organization: Curriculum Services

Course Catalog Update

<< Go back to Course Catalog Update form   Print

Basic Course Data

Change type: Establish

Faculty member submitting this proposal: J.R. Campbell

Requested Effective Term: 201980

Campus: Kent

College: HC-Honors College

Department: HONR-Honors College

Course Subject: Design Innovation-DI

Course Number: 49999

Course Title: Design Innovation Grand Challenges Studio Project

Title Abbreviation: DI Grand Challenges

Slash Course and Cross-list Information:

Credit Hours

Minimum Credit/Maximum Credit: 3 to 3

Contact Hours: Lecture - Minimum Hours/Maximum Hours:

Contact Hours: Lab - Minimum Hours/Maximum Hours:

Contact Hours: Other - Minimum Hours/Maximum Hours: 6 to 6

Attributes

Is this course part of the LER, WIC or Diversity requirements: No

If yes, course attributes: 1.   2.   3.

| **Can this course be repeated for credit:** Repeat | **Course Limit:** | **OR Maximum Hours:** |
| **Course Level:** Undergraduate | **Grade Rule:** B-Standard letter | |

Rationale for an IP grade request for this course (if applicable):

Schedule Type(s): 1. STU-Studio 2.   3.

Credit by Exam: N-Credit by exam-not approved

Prerequisites & Descriptions

Current Prerequisite/Corequisite/Catalog Description:

Catalog Description (edited): A cross disciplinary project-based capstone course that collaboratively focuses on a single grand challenge. Challenges range from those identified by Grand Challenges.org, "solving global health and development problems for those most in need" to one of the "Grand Challenges for Engineering", to one from the list regularly updated by the National Science Foundation, to a pressing challenge identified by the faculty. Taught by a multidisciplinary team of primary instructors with input from industry leaders with complementary expertise, the collaborative effort of students, faculty members, industry partners and-or community leaders, focuses on developing robust multi-perspective, actionable solutions considering multiple criteria including but not limited to technical, socio-cultural and economic dimensions. Outcomes range from early designs, to physical prototypes or policy solutions with an understanding of how to take them to a next phase. Travel component may be included.

Prerequisites (edited): DI_20100: Introduction to Design Innovation and DI_30100: Challenge Based Innovation; OR by permission of instructors.

Corequisites (edited):

Registration is by special approval only: No

Content Information

Content Outline:

| Content Hours | |

per Course Topic	Topic Description
90	Collaborative Grand Challenges Studio

Display/Hide Delimited Course Outline

Total Contact Hours: 90

Textbook(s) used in this course: None

Writing Expectations: None

Instructor(s) expected to teach: Course will always be co-taught by faculty from different academic units. Variable depending on course topic.

Instructor(s) contributing to content: Mark Mistur and Design Innovation Curricular Task Force

Proposal Summary

Explain the purpose for this proposal:

This course serves as a capstone-like experience in supporting design innovation mindset. The Design Innovation Initiative seeks to amplify Kent State distinction that is designed to engage students as world changers, with flexible creative purpose driven minds – preparing them to be leaders in a rapidly changing world. The Grand Challenges studio is designed to tackle significant and meaningful challenges, attract industry and agency support, attention from the press and public and yield greater enrollment.

Explain how this proposal affects program requirements and students in your unit:

Helps support the design innovation initiative create collaborative cross-disciplinary problem-based learning for students from any major.

Explain how this proposal affects courses, program requirements and student in other units:

Serves as a free elective and-or a disciplinary elective for those programs that allow it to be counted.

Explain how this proposal affects enrollment and staffing:

Will be offered only when faculty resources permit and student demand is sufficient. Interdisciplinary teaching means a commitment on the part of the colleges (revenue units) to loaning faculty to this enterprise for financial return.

Units consulted (other departments, programs or campuses affected by the proposal):

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Curriculum Services Information:

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