

This form should be used for academic units wishing to propose a new concentration for existing graduate degrees. A concentration is a subspecialty within a degree and major. It indicates the fulfillment of a designated, specialized course of study, which qualifies the student with skills and training in one highly concentrated area of the major. Concentrations are formally-recognized educational designations (including the assignment of a university plan code for reporting/record-keeping purposes and appearance on the ASU transcript). Concentrations are distinguished from more informal academic distinctions such as “emphases,” “tracks,” “foci,” “options,” etc.

This proposal template should be completed in full and submitted to the University Provost’s Office [mail to: curriculumplanning@asu.edu]. It must undergo all internal university review and approval steps including those at the unit, college, and university levels. A program **may not** be implemented until the Provost’s Office notifies the academic unit that the program may be offered.

GRADUATE CONCENTRATION

College/School:	Ira A. Fulton Schools of Engineering
<i>Note: Program ownership is coded at the College/School level first and may not be a center, department or division apart from it.</i>	
Department/Division/School:	The Polytechnic School
Proposing faculty group (if applicable):	Human Systems Engineering (CAPPSYCH)

Existing graduate degree and major under which this concentration will be established:	Master of Science (MS) in Human Systems Engineering
Name of proposed concentration:	User Experience Research
Requested effective term and year:	Fall 2021
<i>(The first semester and year for which students may begin applying to the concentration)</i>	
Is a program fee required?	No, a program fee is not required.

Note: for more information about program fee requests, visit <https://provost.asu.edu/curriculum-development/changemaker/form-instructions#fees>

Is the unit willing and able to implement the program if the fee is denied? Not applicable.

Delivery method and campus or location options: *select all locations that apply*

Downtown Phoenix
 Polytechnic
 Tempe
 Thunderbird
 West
 Other: _____


Both on-campus and ASU Online* - (check applicable campus(es) from options listed above)

ASU Online only (all courses online and managed by ASU Online)

Note: Once students elect a campus or Online option, students will not be able to move between the on-campus and the ASU Online options. Approval from the Office of the University Provost and Philip Regier (Executive Vice Provost and Dean) is required to offer programs through ASU Online. Please complete the ASU Online Offering form in Curriculum ChangeMaker to begin this request. Prior to completing the online Curriculum ChangeMaker form, please contact EdPlus at asuonline@asu.edu who can provide you with additional information regarding the online request process.

Do Not Fill in this information: Office Use Only	CIP Code:
Plan Code:	

PROPOSAL CONTACT			
Name:	Nancy Cooke	Title:	Professor
Phone number:	480-727-5158	Email:	ncooke@asu.edu

DEAN APPROVAL(S)	
<p>This proposal has been approved by all necessary unit and college/school levels of review, and the college/school(s) has the resources to offer this degree program. I recommend implementation of the proposed concentration.</p> <p><i>Note: An electronic signature, an email from the dean or dean's designee, or a PDF of the signed signature page is acceptable.</i></p>	
<p>College/School/Division Dean name: James S. Collofello</p>	
<p>Signature: </p>	<p>Date: 10/19/2020</p>

Please note: Proposals for new concentrations also require the review and recommendation of approval from the University Graduate Council, Curriculum and Academic Programs Committee (CAPC), the Academic Senate (Information item only), and the Office of the Provost before they can be put into operation.

The final approval notification will come from the Office of the Provost.

1. OVERVIEW

Provide a brief description (*no more than 150 words*) of the new concentration (including the focus of the new concentration, relationship to other concentrations within this degree program, etc.).

The MS program in Human Systems Engineering with a concentration in User Experience Research provides students with a deep understanding in applied cognitive science, foundations of human systems engineering, uses of simulation, usability, user experience, and visualizing data, among others. It also provides students with skills in applying human systems engineering and user experience methods. Students in this concentration will be able to conduct human systems engineering research, with a focus on the user experience. Other concentrations in human systems engineering also provide students with a foundation in human systems engineering research, but apply the research and methods to different applications such as health care systems, aviation systems, or intelligent systems.

User Experience focuses on designing products that are useful, usable, desirable, easy to learn, efficient to use, and easy to remember. It focuses on the research, design and validation of all system components an end user interacts with, including software user interfaces, documentation, help systems, user support, aesthetics, communication, tone of voice and the like. It is an important specialization within Human Systems Engineering (HSE) with a bright job outlook.

Many MS in HSE graduates find employment in user experience design and user experience research at companies like Apple, Hulu, Slack, HP, GoDaddy, and Intel. Hands-on user experience projects in classes help students build portfolios necessary for entry level positions.

2. IMPACT ASSESSMENT

- A. Explain the unit's need for the new concentration** (e.g., market demand, research base, direction of the discipline, and interdisciplinary considerations). How will the new concentration complement the existing degree program, including enrollment, national ranking, etc.?

User experience (UX) refers the overall experience of a person using a system or product. It is a combination of design, psychology, and communication. It is a rapidly growing field, and User Experience professionals work in virtually every industry. CNN Money (<https://money.cnn.com/gallery/pf/2015/01/27/best-jobs-2015/14.html>) identified user experience designer as the number 14 best jobs in America based on growth, pay and satisfying work.

According to O*net, the occupation of human factors engineers and ergonomists is projected to have a bright outlook, meaning that the occupation will grow faster than average (employment increase of 5% or more) over the period 2019-2029 for the US nationwide and/or projected to have 100,000 or more job openings over the same period nationwide.

There are currently few academic programs that prepare students for these trans-disciplinary roles. The concentration we are proposing draws on existing expertise from Human Systems Engineering, Graphic Information Technology, and Technical Communication to provide students with strengths across all of these areas. The concentration will attract students with an interest in the human side of engineering, as well as students interested in a degree that will allow them to put their analytical, problem-solving, design, and communication skills to work in an applied environment.

The new concentration will attract students to Human Systems Engineering who are specifically interested in user experience and will prepare them to fill the market need. Notably ASU's MS in Human Systems Engineering is one of the top 25 (#14 specifically) MS programs in User Experience/Interaction Design based on cost, reputation, and salary potential [<https://www.bestmastersprograms.org/best-ux-ui-design-masters/>]. This concentration, which focuses on research to increase the usability of products used by humans, is consistent with ASU's mission to advance research and discovery of public value that is use-inspired. It is also interdisciplinary in nature, drawing from disciplines of cognitive science and engineering.

- B. Please identify other related ASU programs and describe how the new concentration will complement these existing ASU programs?** If applicable, statements of support from affected academic unit administrators should be included with this proposal submission.

MS Graphic Information Technology

The MS in Graphic Information Technology focuses on UX design (not research) on visualizations. The User Experience Research concentration emphasizes research that applies more broadly to products and systems that may or may not include visualizations.

MS User Experience

MS HSE (User Experience Research) is focused on conducting research to understand human capabilities and limitations that can be applied to User Experience. The MS in User Experience is more focused on design than the fundamental research.

- C. Is this an interdisciplinary concentration?** If yes, please address the relationship of the proposed concentration to other existing degree programs and any parallel or similar concentrations in those degree programs. (Please include relevant Memoranda of Understanding regarding this interdisciplinary concentration from all applicable academic units.)

N/A

3. STUDENT LEARNING OUTCOMES AND ASSESSMENT

Attach a PDF copy of the assessment plan printed from the University Office of Evaluation and Educational Effectiveness assessment portal demonstrating UOEEEE's approval of your assessment plan for this program. Visit the assessment portal at <https://uoeee.asu.edu/assessment-portal> or contact uoeee@asu.edu with any questions.

See Appendix II for Assessment Plan approved by UOEEEE.

4. CURRICULAR STRUCTURE

Please ensure that all new core course proposals have been submitted to the Provost's office through the Curriculum ChangeMaker online course proposal submission system before this initiative is put on the University Graduate Council and CAPC agendas.

Core Courses for the Degree			
<i>Ensure the core listed below is the same as for the standalone degree</i>			
Prefix and Number	Course Title	New Course?	Credit Hours
HSE 520	Methods and Tools in Applied Cognitive Science	No	3
HSE 530	Intermediate Statistics for Human Systems Engineering	No	3
HSE 531	Data Analytics: Modeling Human Subjects Data	No	3
HSE 542	Foundations of Human Systems Engineering	No	3
<i>Section sub-total:</i>			12
Required Concentration Courses			
Students must take 9 credit hours from the following list			
Prefix and Number	Course Title	New Course?	Credit Hours
HSE 521	Methods and Tools in Human Systems Engineering	No	3
HSE 525	Health and Human Systems Engineering	Yes	3
HSE 529	Product Design and Evaluation	Yes	3
TWC 511	Principles of Visual Communication	No	3
TWC 514	Visualizing Data and Information	No	3
TWC 544	User Experience	No	3
<i>Section sub-total:</i>			9
Elective or Research Courses			
<i>(as deemed necessary by supervisory committee)</i>			
Prefix and Number	Course Title	New Course?	Credit Hours
HSE 592	Research (Three credit hours required for those in thesis culminating experience; optional for all other students in the program)	No	0-3
	Graduate level elective options will include 500-level GIT, HSE, TWC courses. Others will require approval from the program chair. IND 598 Topic: Advanced UX Design - UX for Emerging Technologies and GRA 590 Topic: Information Design I in Herberger's Design School are also approved electives.	No	3-9
<i>Section sub-total:</i>			3-9
Culminating Experience(s)			Credit Hours
<i>E.g. – Capstone course, portfolio, written comprehensive exam, applied project, thesis (must be 6 credit hours with oral defense), dissertation (must be 12 credit hours with oral defense)</i>			
Portfolio			0
HSE 593 Applied Project			6
HSE 599 Thesis			6
<i>Section sub-total:</i>			0-6
Total required credit hours			30

1. List all required core courses and total credit hours for the core (required courses other than internships, thesis, dissertation, capstone course, etc.).
2. Omnibus numbered courses cannot be used as core courses.
3. Permanent numbers must be requested by submitting a course proposal to Curriculum ChangeMaker for approval.

B. Please describe the culminating experience(s) required for completion of the existing degree and major, and the proposed concentration (e.g., thesis, dissertation, comprehensive exams, capstone course, portfolio, applied project).

The culminating experience options will be consistent with the MS Human Systems Engineering program, but with a focus in User Experience. The three culminating experience options include 1) a written thesis that is orally defended, 2) an industry-led applied project that is reported in writing and presented in a public forum (e.g., conference, brown bag seminar, Innovation Showcase), or 3) a portfolio that presents three projects from classes and reflections on them.

C. Please describe any other requirements for completion of the existing degree and major, and the proposed concentration (e.g., internships, clinical requirements, field studies, foreign language exam etc.).

N/A

5. COMPREHENSIVE EXAMS

(Please choose what is appropriate for the degree type selected)

A. Master's Comprehensive Exam (when applicable), please select from the appropriate option.

N/A

6. COURSES

A. New Courses Required for Proposed Program: Provide course prefix, number, title, credit hours and brief description for any new courses required for this program.

HSE 525 Health and Human Systems Engineering (3) – This course is designed to introduce graduate students to different perspectives and techniques in medical human factors and health systems engineering to improve system design and system integration in healthcare. We cover basic principles in human-technology interaction, macroergonomics, and job design in the context of healthcare, health organizations, and health technologies. This course emphasizes synthesis of reading materials, problem scoping, and communication skills through writing and discussion.

HSE 529 Product Design and Evaluation (3) – This course covers User Experience (UX) design that includes usability, usefulness, emotional impact, and meaningfulness in the context of Product Design. Topics we will cover: Understanding Needs, Designing Solutions, Prototyping Candidates, and Evaluating UX.

7. ADMINISTRATION AND RESOURCES

A. Administration: How will the proposed concentration be administered (including recommendations for admissions, student advisement, retention etc.)? Describe the administering body in detail, especially if the proposed concentration is part of a larger interdisciplinary initiative. How will the graduate support staffing needs for this proposed concentration program be met?

The Polytechnic School graduate advising team will manage the admission evaluation process, student advisement, and outreach efforts. The Human Systems Engineering program chair and graduate faculty will be involved in the application evaluation process and provide recommendations to advising for processing.

B. Projected Enrollment: How many students will be admitted immediately following final approval of the concentration? What are enrollment projections for the next three years?

3-YEAR PROJECTED ANNUAL ENROLLMENT			
Please utilize the following tabular format	1st Year	2nd Year <small>(Yr. 1 continuing + new entering)</small>	3rd Year <small>(Yr. 1 & 2 continuing + new entering)</small>
Number of Students in concentration (Headcount)	15	30	40

C. Resource requirements needed to launch and sustain the program: Describe any new resources required for this concentration’s success such as new staff, new facilities, new library resources, new technology resources, etc. and include projected budget needs. If multiple units/programs will collaborate in offering this concentration, please discuss the resource contribution of each participating program. Letters of support must be included from all academic units that will commit resources to this concentration.

No additional resources are required to launch this program.

D. Current Faculty: Complete the table below for all current faculty members who will teach in the program.

Name	Rank	Highest Degree	Area of Specialization/Expertise	Estimated Level of Involvement
Nancy Cooke	Professor and HSE Program Chair	PhD	Human Systems Engineering, Aviation teamwork	High
Rob Gray	Professor	PhD	Human Systems Engineering, perception-action	High
Ian Douglas	Professor of Practice	PhD	Human Systems Engineering, user experience, usability, educational systems	High
Troy McDaniel	Assistant Professor	PhD	Human systems engineering, haptic perception, haptic interface design	High
Scotty Craig	Associate Professor & Graduate Program Chair	PhD	Human Systems Engineering, cognitive science, educational technology	High
Rod Roscoe	Associate Professor	PhD	Human Systems Engineering, educational technology, design and design thinking in	Medium

			education, human-computer interactions	
Angela Kuwaye	Faculty Associate	MS	Human Systems Engineering, user experience, user research, product management, user interface design and development	Medium

8. REQUIRED SUPPORTING DOCUMENTS

(Please label accordingly, i.e., Appendix or Attachment A, B, etc.)

Please include the following with your proposal:

- A. Statements of support from all deans - See Appendix III
- B. Impact statements of heads of impacted academic units (programs with similar names/content, utilizing courses, faculty, etc.) - See Appendix III

APPENDIX I

OPERATIONAL INFORMATION FOR GRADUATE PROGRAMS

(This information is used to populate the Graduate Programs Search/catalog website.)

1. **Proposed name of concentration:** User Experience Research

2. **Marketing description** (*Optional - 50 words maximum. The marketing description should not repeat content found in the program description.*)

N/A

3. **Provide a brief program description** (*Catalog type (i.e. will appear in Degree Search) – no more than 150 words. Do not include any admission or curriculum information*)

The MS program in Human Systems Engineering with a concentration in user experience research focuses on designing products that are useful, usable, desirable, easy to learn, efficient to use, and easy to remember. It focuses on the research, design and validation of all system components an end user interacts with, including software user interfaces, documentation, help systems, user support, aesthetics, and communication. It is an important specialization within human systems engineering with a bright job outlook. MS graduates find employment in user experience design and user experience research at companies like Apple, Hulu, Slack, HP, GoDaddy, and Intel. Students may complement their education with courses in graphic information technology, technical communications, and entrepreneurship to strengthen their skills in information architecture, visual design, and user interface prototyping. Additionally, hands-on user experience projects in these classes help students build portfolios necessary for entry level positions.

4. **Delivery/Campus Information Options: On-campus only (ground courses and iCourses)**

5. **Campus(es) where program will be offered:**

ASU Online curriculum consists of courses that have no face-to-face content. iCourses are online courses for students in on-campus programs. iCourses may be included in a program, but may not comprise the entirety of a program. On-campus programs must have some face-to-face content

Note: Office of the Provost approval is needed for ASU Online campus options.

ASU Online only (all courses online and managed by ASU Online)

All other campus or location options (please select all that apply):

Downtown Phoenix Polytechnic Tempe West Other: _____

Both on-campus and ASU Online* - (check applicable campus(es) from options listed above)

**Note: Once students elect a campus or Online option, students will not be able to move between the on-campus and the ASU Online options. Approval from the Office of the University Provost and Philip Regier (Executive Vice Provost and Dean) is required to offer programs through ASU Online. Please complete the ASU Online Offering form in Curriculum ChangeMaker to begin this request. Prior to completing the online Curriculum ChangeMaker form, please contact EdPlus at asuonline@asu.edu who can provide you with additional information regarding the online request process*

6. **Admission Requirements**

An applicant must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, user experience, psychology, or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

1. graduate admission application and application fee
2. official transcripts
3. GRE scores
4. letter of intent
5. professional resume

- 6. three letters of recommendation
- 7. proof of English proficiency

Additional Application Information

Applicants whose native language is not English must provide proof of English proficiency regardless of current residency.

Global Launch at ASU offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency: <https://learnenglish.asu.edu/online/admission>.

A GRE waiver may be requested if the applicant received a bachelor’s degree in a related field from an accredited institution in the United States with a cumulative GPA of 3.0 or better. Applicants can also submit a GRE waiver request form if they have five years of full-time applicable professional experience. To request a waiver, applicants should email polygrad@asu.edu. An approved waiver does not guarantee admission.

7. Application Review Terms (if applicable session):

Indicate the first term and year in which applications will be opened for admission. Applications will be accepted on a rolling basis after that time.

Note: It is the academic unit’s responsibility to display program deadline dates on their website.

Terms	Years	University Late Fee Deadline
<input checked="" type="checkbox"/> Fall (regular) <input type="checkbox"/> Session B	(year): 2021 (year):	July 1st October 1st
<input checked="" type="checkbox"/> Spring (regular) <input type="checkbox"/> Session B	(year): 2022 (year):	December 1st February 8th
<input type="checkbox"/> Summer (regular) <input type="checkbox"/> Summer B	(year): (year):	May 14th May 14th
<p><i>Note: Session B is only available for approved online programs.</i></p>		

Program admission deadlines website address: <https://poly.engineering.asu.edu/academics/graduate-programs-overview/>

8. Curricular Requirements:

Curricular Structure Breakdown for the Academic Catalog:
(To be completed by the Graduate College)

- 30 credit hours and a portfolio, or
- 30 credit hours and a thesis, or
- 30 credit hours including the required applied project course (HSE 593)

Required Core (12 credit hours)

- HSE 520 Methods and Tools in Applied Cognitive Science (3)
- HSE 530 Intermediate Statistics for Human Systems Engineering (3)
- HSE 531 Data Analytics: Modeling Human Subjects Data (3)
- HSE 542 Foundations of Human Systems Engineering (3)

Concentration (9 credit hours)

- HSE 521 Methods and Tools in Human Systems Engineering (3)

HSE 525 Health and Human Systems Engineering (3)
 HSE 529 Product Design and Evaluation (3)
 TWC 511 Principles of Visual Communication (3)
 TWC 514 Visualizing Data and Information (3)
 TWC 544 User Experience (3)

Electives or Research (3-9 credit hours)

Culminating Experience (0-6 credit hours)

HSE 593 Applied Project (6) or
 HSE 599 Thesis (6) or
 portfolio (0)

Additional Curriculum Information

For electives and research coursework, enrollment in HSE 592 Research for three credit hours is required for students completing a thesis, and optional for students completing the applied project or portfolio culminating experience. Students in all culminating experience options should contact the academic unit for an approved electives list.

Students completing a portfolio for the culminating experience must complete 9 credit hours of electives and research coursework.

9. Allow 400-level courses: Yes No

Note: No more than six credit hours of 400-level coursework may be included on a graduate student plan of study.

10. **Keywords:** List all keywords that could be used to search for this concentration. Keywords should be specific to the proposed concentration – limit 10 keywords.

human factors, user experience, human-computer interaction, interaction design, design research

11. Area(s) of Interest

A. Select **one (1)** primary area of interest from the list below that applies to this program.

- | | |
|--|---|
| <input type="checkbox"/> Architecture & Construction | <input type="checkbox"/> Interdisciplinary Studies |
| <input type="checkbox"/> Arts | <input type="checkbox"/> Law & Justice |
| <input type="checkbox"/> Business | <input type="checkbox"/> Mathematics |
| <input type="checkbox"/> Communication & Media | <input type="checkbox"/> Psychology |
| <input type="checkbox"/> Education & Teaching | <input type="checkbox"/> STEM |
| <input checked="" type="checkbox"/> Engineering & Technology | <input type="checkbox"/> Science |
| <input type="checkbox"/> Entrepreneurship | <input type="checkbox"/> Social and Behavioral Sciences |
| <input type="checkbox"/> Health & Wellness | <input type="checkbox"/> Sustainability |
| <input type="checkbox"/> Humanities | |

B. Select **one (1)** secondary area of interest from the list below that applies to this program.

- | | |
|--|---|
| <input type="checkbox"/> Architecture & Construction | <input type="checkbox"/> Interdisciplinary Studies |
| <input type="checkbox"/> Arts | <input type="checkbox"/> Law & Justice |
| <input type="checkbox"/> Business | <input type="checkbox"/> Mathematics |
| <input type="checkbox"/> Communications & Media | <input type="checkbox"/> Psychology |
| <input type="checkbox"/> Education & Teaching | <input checked="" type="checkbox"/> STEM |
| <input type="checkbox"/> Engineering & Technology | <input type="checkbox"/> Science |
| <input type="checkbox"/> Entrepreneurship | <input type="checkbox"/> Social and Behavioral Sciences |
| <input type="checkbox"/> Health & Wellness | <input type="checkbox"/> Sustainability |
| <input type="checkbox"/> Humanities | |

12. Contact and Support Information:

Office Location - Building Code & Room: <i>(Search ASU map)</i>	Wanner 101
--	------------

Campus Telephone Number: (may not be an individual's number)	480-727-4723
Program Email Address: (may not be an individual's email)	polygrad@asu.edu
Program Website Address: (if one is not yet created, use unit website until one can be established)	poly.engineering.asu.edu
Program Director (Name):	Nancy Cooke
Program Director (ASURITE):	ncooke
Program Support Staff (Name):	Amy Riggs awolsey Meghan Vaughn mmackowi
Program Support Staff (ASURITE):	Amy Riggs awolsey Meghan Vaughn mmackowi
Admissions Contact (Name):	Amy Riggs awolsey Meghan Vaughn mmackowi
Admissions Contact (ASURITE):	Amy Riggs awolsey Meghan Vaughn mmackowi

13. Application and iPOS Recommendations: List the Faculty and Staff that will input admission/POS recommendations to Gportal **and** indicate their approval for Admissions and/or POS:

NAME	ASURITE	ADMSN	POS
Amy Riggs	awolsey	X	X
Bernadette Teran	bteran	X	X
Blake Holder	bholder	X	X
Meghan Vaughn	mmackowi	X	X

APPENDIX II

Assessment Plan

MS in Human Systems Engineering (User Experience Research)

MS1599605222
Approved

ES-Ira A Fulton
Schools of Engineering

Mission

The Master of Science in Human Systems Engineering at ASU seeks to train students in the skills needed to improve our world by applying psychologically-based principles. As teachers and mentors, we provided our students a guided experience that trains them in the theories and methods of experimental psychology and cognitive science. As researchers, the program investigates how humans interact with both other humans and new innovations in technology. We seek to improve these interactions by advancing knowledge of underlying psychological processes and by providing innovations in system design and training to facilitate optimal interactions. In so doing, we embrace ASU's goals of providing the highest quality of education possible to our students. We also help to answer ASU's challenge of helping people lead healthier more fulfilled lives through the use of applied science and technology.

Goals

We embrace ASU's goals of providing the highest quality of education possible to our students. We also help to answer ASU's challenge of helping people lead healthier more fulfilled lives through the use of applied science and technology.

Outcome 1

Ability to apply the appropriate statistical analysis, address violations of assumptions (e.g., sphericity), & run the analysis using SPSS.

Concepts

Principles of scientific investigation, one-way and factorial designs, contrasts, post-hoc tests, interactions, mixed designs, power, computer applications.

Assessment Process: Students will be assessed through an exam 3 times a semester in HSE 530 and weekly through data analysis assignments in HSE 531. Instructors tailor future classes to target the weaker areas.

Measure 1

Student performance on assignment in HSE 530 (ANOVA) measured with a rubric.

Performance Criterion 1

95% of students will achieve mastery based on a faculty developed rubric.

Measure 2

Student Performance in HSE 531 (Data Analytics)

Performance Criterion 2

95% of students will achieve mastery based on a faculty developed rubric.

Competencies

Analysis of the whole user experience, quantitative skills pertinent to the development of such products.

Outcome 2

Ability to apply the methods of human systems engineering to test a hypothesis or solve an applied problem.

Last Action:
January 25, 2021 8:23 AM

Last User:
Erin DeBrino (eleldrid)

MS in Human Systems Engineering (User Experience Research)

MS1599605222
Approved

ES-Ira A Fulton
Schools of Engineering

Concepts

Principles of scientific investigation, research methods and theories of human-systems engineering, system analysis, problem-solving, design, and communication.

Assessment Process: Students will be assessed in HSE 542 four times through the semester using design challenges. These challenge problems will be evaluated by the instructor using a rubric. Also, in HSE 520 students will be assessed 19 times through the semester by the instructor using a rubric. Instructors tailor future classes to target the weaker areas.

Measure 1

Student performance on assignments in HSE 520 (Methods and Tools in Applied Cognitive Science)

Performance Criterion 1

95% of students will show mastery of class concepts on the final class paper based on faculty created course concept rubric.

Measure 2

Student performance on assignments in HSE 542 (Foundations of Human Systems Engineering)

Performance Criterion 2

95% of students will demonstrate mastery of class concepts based on their mean score on four design challenges throughout the class. A rubric designed by the instructor will guide the grading of the design challenges.

Outcome 3

Ability to conduct independent research to address problems in the space of human performance in User Experience Research.

Concepts

Students will use the principles of scientific investigation and methods and theories of human-systems engineering, system analysis, problem-solving, design, and communication to conduct independent research.

Assessment Process: Student will be assessed by their advisor and committee members (thesis option) once in the semester at the defense of the culminating experience. Performance on the culminating experience will drive additional changes to the program and in particular, to the milestones for achieving the culminating experience.

Measure 1

Students demonstrate competency in their defense of his or her thesis or applied project or portfolio scored on a faculty developed rubric.

Competencies

Analysis of the whole user experience, research skills pertinent to the development of such products.

Last Action:
January 25, 2021 8:23 AM

Last User:
Erin DeBrino (eleldrid)

MS in Human Systems Engineering (User Experience Research)

MS1599605222

Approved

ES-Ira A. Fulton
Schools of Engineering

Performance Criterion 1

100% of students will show mastery of concepts as measured on a faculty developed rubric.

Measure 2

Students demonstrate competency in their culminating projects scored on a faculty developed rubric in the space of user experience.

Performance Criterion 2

100% of students will show mastery of class concepts as measured on a faculty developed rubric.

APPENDIX III
Statements of Collaboration and Impact

Fulton Schools of Engineering – Official Submission

From: [Sergio Quiros](#)
To: [Curriculum Planning](#)
Cc: [Amy Riggs](#); [Cindy Roglin](#); [Erin DeBrino](#); [Jeremy Helm](#)
Subject: IAFSE - MS in Human Systems Engineering (User Experience Research)
Date: Thursday, October 29, 2020 12:53:05 PM
Attachments: [new-graduate-concentration-proposal MS HSE User Experience Research.pdf](#)
[new-graduate-concentration-proposal MS HSE User Experience Research 5.21.20 signed.docx](#)

Hello,

Attached is the following proposal:

Ira A. Fulton Schools of Engineering
The Polytechnic School
Establishment of a graduate concentration
MS in Human Systems Engineering (User Experience Research)

Best,

Sergio G. Quiros

Specialist Senior, Academic and Student Affairs
Ira A. Fulton Schools of Engineering
Arizona State University
Tempe, AZ 85287-8109
Phone: 480/727-5770
Email: Sergio.Quiros@asu.edu

MS in User Experience- Program Chair

Erin DeBrino

From: Jennifer Bekki
Sent: Monday, October 5, 2020 7:08 PM
To: Erin DeBrino
Subject: FW: Statement of Support from MS User Experience -- HSE MS Concentration in User Experience Research

Hi Erin –

Please see response from Rob re: support from MS User Experience for proposed concentration in User Experience Research. .

Jennifer

From: Robert Gray <robgray@asu.edu>
Sent: Monday, October 5, 2020 4:29 PM
To: Jennifer Bekki <jennifer.bekki@asu.edu>
Subject: RE: Statement of Support from MS User Experience -- HSE MS Concentration in User Experience Research

Hi Jennifer,

I support this proposal
Rob Gray, Program Chair, MS User Experience

From: Jennifer Bekki <jennifer.bekki@asu.edu>
Sent: Monday, October 5, 2020 4:13 PM
To: Robert Gray <robgray@asu.edu>
Subject: Statement of Support from MS User Experience -- HSE MS Concentration in User Experience Research

Dear Rob,

The Polytechnic School is proposing a new User Experience Research concentration within the graduate Human Systems Engineering MS degree, proposal attached. I am writing to ask if the MS User Experience program is willing to provide their support in our effort to develop this new concentration? If you support this new concentration proposal, please respond with an affirmative reply of that intent. When you reply, please provide me with your full name and title (ABC 101 Program Director, etc), having this information will aid in the processing of the proposal as it progresses through FSE and University level reviews.

If you have concerns regarding the concentration, please let me know those as well and we can work to hopefully resolve any issues.

Sincerely,

Jennifer M. Bekki
Associate Director
The Polytechnic School
Ira A. Fulton Schools of Engineering
Arizona State University
480.727.5127

Graphic Information Technology-Program Chair

Erin DeBrino

From: Jennifer Bekki
Sent: Thursday, October 8, 2020 8:50 AM
To: Erin DeBrino
Subject: FW: Statement of Support from MS Graphic Information Technology -- HSE MS Concentration in User Experience Research

Hi Erin --

Please see below for GIT statement of support for User Experience Research concentration.

Jennifer

From: Susan Squire <Susan.Squire@asu.edu>
Sent: Wednesday, October 7, 2020 10:06 PM
To: Jennifer Bekki <jennifer.bekki@asu.edu>
Subject: Re: Statement of Support from MS Graphic Information Technology -- HSE MS Concentration in User Experience Research

Hello Jennifer,
I am pleased to offer GIT's support for this new concentration.

Regards,
Susan Squire
Program Chair
FSE | The Polytechnic School | GIT Program
Arizona State University

6075 S. Innovation Way West
Mail Code: 2180
Technology Center, 102A
Mesa, AZ 85212
p: [480-727-1326](tel:480-727-1326)
email: susan.squire@asu.edu

ASU top 1% of world's most prestigious universities
—Times Higher Education

ASU #1 in the U.S. for innovation
—U.S. News & World Report

From: Jennifer Bekki <jennifer.bekki@asu.edu>
Date: Monday, October 5, 2020 at 4:12 PM
To: Susan Squire <Susan.Squire@asu.edu>
Subject: Statement of Support from MS Graphic Information Technology -- HSE MS Concentration in User Experience Research

Dear Susan,

The Polytechnic School is proposing a new User Experience Research concentration within the graduate Human Systems Engineering MS degree, proposal attached. I am writing to ask if the MS Graphic Information Technology program is willing to provide their support in our effort to develop this new concentration? If you support this new concentration proposal, please respond with an affirmative reply of that intent. When you reply, please provide me with your full name and title (ABC 101 Program Director, etc), having this information will aid in the processing of the proposal as it progresses through FSE and University level reviews.

If you have concerns regarding the concentration, please let me know those as well and we can work to hopefully resolve any issues.

Sincerely,

Jennifer M. Bekki
Associate Director
The Polytechnic School
Ira A. Fulton Schools of Engineering
Arizona State University
480.727.5127
jennifer.bekki@asu.edu

College of Global Futures

From: Christopher Boone <Christopher.G.Boone@asu.edu>
Sent: Wednesday, February 10, 2021 3:53 PM
To: Sergio Quiros <Sergio.Quiros@asu.edu>
Cc: James Collofello <JAMES.COLLOFELLO@asu.edu>; Jeremy Helm <JEREMY.HELM@asu.edu>
Subject: RE: MS in Human Systems Engineering (User Experience Research) - Graduate College Review

The College of Global Futures has no objections and is happy to support the proposal.

Christopher Boone

Dean, College of Global Futures
Professor, School of Sustainability

<https://collegeofglobalfutures.asu.edu/>

PO Box 875502, Tempe, AZ 85287-5502

Executive Assistant: Lorraine.Protocollo@asu.edu

480-965-2236

The College of Global Futures embraces ASU's mission as being a comprehensive public research university, measured not by whom it excludes, but rather by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves. We support and foster a culture of inclusiveness, tolerance, and respect that promotes equal opportunity and diversity among faculty, staff, and students and through our engagement with diverse communities within and beyond the University.

Kapucinski, Anne, R., Agrawal, Arun, Boone, Christopher, Bromaghim, Erin, Louis, Garrick E., Taylor, Dorceta E. 2020. *Strengthening Sustainability Programs and Curricula in Higher Education*. Washington. D.C.: The National Academies Press. <https://doi.org/10.17226/25821>

From: Sergio Quiros <Sergio.Quiros@asu.edu>
Sent: Wednesday, February 10, 2021 3:38 PM
To: Christopher Boone <Christopher.G.Boone@asu.edu>
Cc: James Collofello <JAMES.COLLOFELLO@asu.edu>; Jeremy Helm <JEREMY.HELM@asu.edu>
Subject: RE: MS in Human Systems Engineering (User Experience Research) - Graduate College Review

Dr. Boone,

The Graduate College is asking for your academic units response to the for our proposed [MS in Human Systems Engineering \(User Experience Research\)](#) concentration. They have indicated the proposal cannot move forward on the university review unless we provide a statement of support before February 23rd, the date of the UGC meeting.

Do you have any questions or concerns?

Thank you,

Sergio G. Quiros

Specialist Senior, Academic and Student Affairs
Ira A. Fulton Schools of Engineering
Arizona State University
Tempe, AZ 85287-8109
Phone: 480/727-5770
Email: Sergio.Quiros@asu.edu

From: Sergio Quiros
Sent: Thursday, January 7, 2021 10:19 AM
To: Christopher Boone <Christopher.G.Boone@asu.edu>
Cc: James Collofello <JAMES.COLLOFELLO@asu.edu>; Jeremy Helm <JEREMY.HELM@asu.edu>
Subject: FW: MS in Human Systems Engineering (User Experience Research) - Graduate College Review

Sent on behalf of Dr. James S. Collofello

Hello,

I am writing to request an impact/support letter (email will suffice) for our proposed [MS in Human Systems Engineering \(User Experience Research\)](#) concentration. This degree program is offered by The Polytechnic School.

Please let me know if you have any questions or concerns.

jim

James S. Collofello
Vice Dean for Academic and Student Affairs
Professor of Computer Science and Engineering
School of Computing Informatics and Decision Systems Engineering
Ira A. Fulton Schools of Engineering
Arizona State University

The College of Liberal Arts and Sciences

From: Fabio Milner <milner@asu.edu>
Sent: Wednesday, February 10, 2021 4:05 PM
To: Sergio Quiros <Sergio.Quiros@asu.edu>
Cc: James Collofello <JAMES.COLLOFELLO@asu.edu>; Jeremy Helm <JEREMY.HELM@asu.edu>; Kimberly Castillo <Kimberly.E.Castillo@asu.edu>; Fabio Milner <milner@asu.edu>
Subject: Re: MS in Human Systems Engineering (User Experience Research) - Graduate College Review

Dear Sergio,

The College is happy to support the proposed degree concentration.

We have some courses in our Anthropology, Global Health, and Environmental Social Science graduate programs that may be appropriate for your students in the program to take as electives.

ASB 510 Health: Social and Biocultural Theories
ASB 503 Medical Anthropology
ASB 512 Social Science Applications in Community Health
ASB 502 Health of Ethnic Minorities
ASM 546 Principles of Human Genetics
ESS 513 Institutions
ESS 514 Urban and Environmental Health

Best,
Fabio

Fabio Augusto Milner, PhD

Associate Dean of Graduate Initiatives
Assistant Director, SA Levin MCMS Center
[The College of Liberal Arts and Sciences](#)
Director of Mathematics for STEM Education
[School of Mathematical and Statistical Sciences](#)
Arizona State University
SACNAS Board of Directors Member

Armstrong Hall, Office 214

P: 480/965-5877 | F: 480/965-2110

milner@asu.edu

URL: <https://isearch.asu.edu/profile/1278293>

From: Sergio Quiros <Sergio.Quiros@asu.edu>
Date: Wednesday, February 10, 2021 at 15:39
To: Fabio Milner <milner@asu.edu>
Cc: James Collofello <JAMES.COLLOFELLO@asu.edu>; Jeremy Helm <JEREMY.HELM@asu.edu>

Request to implement a new graduate concentration

11-6-17

Page 20 of 36

Subject: RE: MS in Human Systems Engineering (User Experience Research) - Graduate College Review
Resent-From: <milner@asu.edu>

Dear Fabio,

The Graduate College is asking for your academic units response to the for our proposed [MS in Human Systems Engineering \(User Experience Research\)](#) concentration. They have indicated the proposal cannot move forward on the university review unless we provide a statement of support before February 23rd, the date of the UGC meeting.

Do you have any questions or concerns?

Thank you,

Sergio G. Quiros

Specialist Senior, Academic and Student Affairs
Ira A. Fulton Schools of Engineering
Arizona State University
Tempe, AZ 85287-8109
Phone: 480/727-5770
Email: Sergio.Quiros@asu.edu

From: Sergio Quiros
Sent: Thursday, January 7, 2021 10:19 AM
To: Fabio Milner <milner@asu.edu>
Subject: FW: MS in Human Systems Engineering (User Experience Research) - Graduate College Review

Sent on behalf of Dr. James S. Collofello

Hello,

I am writing to request an impact/support letter (email will suffice) for our proposed [MS in Human Systems Engineering \(User Experience Research\)](#) concentration. This degree program is offered by The Polytechnic School.

Please let me know if you have any questions or concerns.

jim

James S. Collofello
Vice Dean for Academic and Student Affairs
Professor of Computer Science and Engineering
School of Computing Informatics and Decision Systems Engineering
Ira A. Fulton Schools of Engineering
Arizona State University

College of Integrative Sciences and Arts

From: [Duane Roen](#)
To: [Sergio Quiros](#)
Cc: [James Collofello](#); [Jeremy Helm](#)
Subject: RE: MS in Human Systems Engineering (User Experience Research) - Graduate College Review
Date: Thursday, January 7, 2021 12:40:23 PM

Sergio, Jim, and Jeremy,

CISA is also have to support the proposals for an MS in Human Systems Engineering (User Experience Research).

Andy reminded me how his group is collaborating with FSE.

Best,
Duane

Duane Roen
Dean, College of Integrative Sciences and Arts
Vice Provost, Polytechnic campus
Arizona State University
Mail Code: 2780
7271 E Sonoran Arroyo Mall
Mesa, AZ 85212-6415
P: 480-727-1415

From: Sergio Quiros
Sent: Thursday, January 7, 2021 10:19 AM
To: Duane Roen <Duane.Roen@asu.edu>
Cc: James Collofello <JAMES.COLLOFELLO@asu.edu>; Jeremy Helm <JEREMY.HELM@asu.edu>
Subject: FW: MS in Human Systems Engineering (User Experience Research) - Graduate College Review

Sent on behalf of Dr. James S. Collofello

Hello,

I am writing to request an impact/support letter (email will suffice) for our proposed [MS in Human Systems Engineering \(User Experience Research\)](#) concentration. This degree program is offered by The Polytechnic School.

Please let me know if you have any questions or concerns.

jim

James S. Collofello
Vice Dean for Academic and Student Affairs
Professor of Computer Science and Engineering
School of Computing Informatics and Decision Systems Engineering
Ira A. Fulton Schools of Engineering
Arizona State University

Edson College of Nursing and Health Innovation

From: Katherine Kenny <Katherine.Kenny@asu.edu>
Sent: Wednesday, February 10, 2021 4:18 PM
To: Sergio Quiros <Sergio.Quiros@asu.edu>
Cc: James Collofello <JAMES.COLLOFELLO@asu.edu>; Jeremy Helm <JEREMY.HELM@asu.edu>
Subject: RE: MS in Human Systems Engineering (User Experience Research) - Graduate College Review

Dear Sergio – thank you for resending this request to me. I have reviewed your proposal to establish a new graduate concentration User Experience Research, along with our graduate program directors and curriculum faculty representatives. We see no conflict or overlap with programs or courses offered in the Edson College. On behalf of the Edson College of Nursing and Health Innovation we support your proposal. Best to you as you move through the University approval processes.

Kathy

Katherine (Kathy) Kenny, DNP, RN, ANP-BC, FAANP, FAAN

Associate Dean of Academic Affairs

Clinical Professor

550 N. 3rd Street | Phoenix, AZ 85004

(P) 602-496-1719

(F) 602-496-0545

Katherine.kenny@asu.edu

<https://nursingandhealth.asu.edu/>

From: Sergio Quiros <Sergio.Quiros@asu.edu>
Sent: Wednesday, February 10, 2021 15:41
To: Katherine Kenny <Katherine.Kenny@asu.edu>
Cc: James Collofello <JAMES.COLLOFELLO@asu.edu>; Jeremy Helm <JEREMY.HELM@asu.edu>
Subject: RE: MS in Human Systems Engineering (User Experience Research) - Graduate College Review

Dr. Kenney,

The Graduate College is asking for your academic units response to the for our proposed [MS in Human Systems Engineering \(User Experience Research\)](#) concentration. They have indicated the proposal cannot move forward on the university review unless we provide a statement of support before February 23rd, the date of the UGC meeting.

Do you have any questions or concerns?

Thank you,

Sergio Quiros

Specialist Senior, Academic and Student Affairs
Ira A. Fulton Schools of Engineering
Arizona State University
Tempe, AZ 85287-8109
Phone: 480/727-5770
Email: Sergio.Quiros@asu.edu

From: Sergio Quiros
Sent: Thursday, January 7, 2021 10:19 AM
To: Katherine Kenny <katherine.kenny@asu.edu>
Cc: James Collofello <JAMES.COLLOFELLO@asu.edu>; Jeremy Helm <JEREMY.HELM@asu.edu>
Subject: FW: MS in Human Systems Engineering (User Experience Research) - Graduate College Review

Sent on behalf of Dr. James S. Collofello

Hello,

I am writing to request an impact/support letter (email will suffice) for our proposed [MS in Human Systems Engineering \(User Experience Research\)](#) concentration. This degree program is offered by The Polytechnic School.

Please let me know if you have any questions or concerns.

jim

James S. Collofello
Vice Dean for Academic and Student Affairs
Professor of Computer Science and Engineering
School of Computing Informatics and Decision Systems Engineering
Ira A. Fulton Schools of Engineering
Arizona State University

Thunderbird School of Global Management

From: Lena Booth <Lena.Booth@thunderbird.asu.edu>
Sent: Wednesday, February 10, 2021 8:31 PM
To: Sergio Quiros <Sergio.Quiros@asu.edu>; James Collofello <JAMES.COLLOFELLO@asu.edu>
Cc: Jeremy Helm <JEREMY.HELM@asu.edu>; Sanjeev Khagram (Dean) <Sanjeev.Khagram@thunderbird.asu.edu>
Subject: Re: MS in Human Systems Engineering (User Experience Research) - Graduate College Review

Dear Sergio:

Thunderbird is pleased to support the MS in Human Systems Engineering (User Experience Research) offered by Fulton Engineering. We wish you all the success in this new program!

To further one of the ASU's design aspirations (Fuse Intellectual Disciplines), we also would like to propose a cross disciplinary collaboration with your school: a concentration in Human Systems Engineering for our Master of Global Management (MGM) program. We welcome the opportunity to discuss this with you further. Thanks.

Lena

Lena C. Booth, Ph.D. | Associate Dean of Graduate Programs and Associate Professor of Finance | Thunderbird School of Global Management | 400 E Van Buren, Suite 800 | Phoenix, AZ 85004 | Phone: 602-496-7061 |
Email: lena.booth@thunderbird.asu.edu | Website: <https://thunderbird.asu.edu/>

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Times Higher Education/Wall Street Journal 2019

Thunderbird is a unit of the Arizona State University Enterprise

From: Sergio Quiros <Sergio.Quiros@asu.edu>
Date: Wednesday, February 10, 2021 at 3:38 PM
To: "Sanjeev Khagram (Dean)" <Sanjeev.Khagram@thunderbird.asu.edu>, Lena Booth <Lena.Booth@thunderbird.asu.edu>
Cc: James Collofello <JAMES.COLLOFELLO@asu.edu>, Jeremy Helm <JEREMY.HELM@asu.edu>
Subject: RE: MS in Human Systems Engineering (User Experience Research) - Graduate College Review

Dr. Khagram,

The Graduate College is asking for your academic units response to the for our proposed [MS in Human Systems Engineering \(User Experience Research\)](#) concentration. They have indicated the proposal cannot move forward on the university review unless we provide a statement of support before February 23rd, the date of the UGC meeting.

Do you have any questions or concerns?

Thank you,

Sergio G. Quiros

Specialist Senior, Academic and Student Affairs
Ira A. Fulton Schools of Engineering
Arizona State University
Tempe, AZ 85287-8109
Phone: 480/727-5770
Email: Sergio.Quiros@asu.edu

From: Sergio Quiros
Sent: Thursday, January 7, 2021 10:19 AM
To: Sanjeev Khagram (Dean) <Sanjeev.Khagram@thunderbird.asu.edu>; Lena Booth <Lena.Booth@thunderbird.asu.edu>
Cc: James Collofello <JAMES.COLLOFELLO@asu.edu>; Jeremy Helm <JEREMY.HELM@asu.edu>
Subject: FW: MS in Human Systems Engineering (User Experience Research) - Graduate College Review

Sent on behalf of Dr. James S. Collofello

Hello,

I am writing to request an impact/support letter (email will suffice) for our proposed [MS in Human Systems Engineering \(User Experience Research\)](#) concentration. This degree program is offered by The Polytechnic School.

Please let me know if you have any questions or concerns.

jim

James S. Collofello
Vice Dean for Academic and Student Affairs
Professor of Computer Science and Engineering
School of Computing Informatics and Decision Systems Engineering
Ira A. Fulton Schools of Engineering
Arizona State University

Mary Lou Fulton Teachers College

From: [Carole Basile \(Dean\)](#)
To: [Sergio Quiros](#)
Cc: [James Collofello](#); [Jeremy Helm](#)
Subject: Re: MS in Human Systems Engineering (User Experience Research) - Graduate College Review
Date: Thursday, January 7, 2021 11:53:50 AM

The Mary Lou Fulton Teachers College is in support of the proposal for MS in Human Systems Engineering. We do not see a conflict with any of our work. We wish you well with this new endeavor.

Best--

Carole G. Basile
Dean
Arizona State University
Mary Lou Fulton Teachers College
[P.O. Box 871811, Tempe, AZ 85281-1811](#)
O: [480.965.3463](tel:480.965.3463) | M: [480.310.6887](tel:480.310.6887)

From: Sergio Quiros <Sergio.Quiros@asu.edu>
Date: Thursday, January 7, 2021 at 10:18 AM
To: Carole Basile (Dean) <Carole.Basile@asu.edu>
Cc: James Collofello <JAMES.COLLOFELLO@asu.edu>, Jeremy Helm <JEREMY.HELM@asu.edu>
Subject: FW: MS in Human Systems Engineering (User Experience Research) - Graduate College Review

Sent on behalf of Dr. James S. Collofello

Hello,

I am writing to request an impact/support letter (email will suffice) for our proposed [MS in Human Systems Engineering \(User Experience Research\)](#) concentration. This degree program is offered by The Polytechnic School.

Please let me know if you have any questions or concerns.

jim

James S. Collofello
Vice Dean for Academic and Student Affairs
Professor of Computer Science and Engineering
School of Computing Informatics and Decision Systems Engineering
Ira A. Fulton Schools of Engineering
Arizona State University

Herberger Institute for Design and the Arts

From: Stephani Etheridge Woodson <swoodson@asu.edu>
Sent: Monday, January 11, 2021 8:37 AM
To: Sergio Quiros <Sergio.Quiros@asu.edu>
Subject: FW: MS in Human Systems Engineering (User Experience Research) - Graduate College Review

Hello, The Design School believes there is some overlap in this new concentration in both Industrial Design and Visual Communications, but perhaps not enough to cause concern. They request that the concentration include the following courses as approved electives:

- IND 598 Advanced UX Design—UX for Emerging Technologies
- GRA 590 Information Design

with appreciation, Stephani

Stephani Etheridge Woodson
Interim Associate Dean of Students
Herberger Institute for Design and the Arts
The FDT Evelyn Smith Professor | School of Music, Dance and Theatre
Director, Design and Arts Corps | herbergerinstitute.asu.edu/design-and-arts-corps
She/Her/Hers

COVID-19 Resources for Students

From: Samantha Perkins <Samantha.J.Perkins@asu.edu>
Date: Monday, January 11, 2021 at 8:08 AM
To: Stephani Etheridge Woodson <swoodson@asu.edu>
Cc: Pavan Turaga <pturaga@asu.edu>, Philip Horton <horton2@mainex1.asu.edu>
Subject: Re: MS in Human Systems Engineering (User Experience Research) - Graduate College Review

Hi Stephani

Sorry for the slow response on this one. It's a bit more problematic to openly say "sure, looks good," as our Industrial Design team is also investigating a possible UX/UI grad program for future consideration. I think they'll be different enough to support the one proposed here, however.

It'd be nice to see them integrate coursework from IND and VCD as below, if at all possible:

- IND 598 Advanced UX Design—UX for Emerging Technologies
- GRA 590 Information Design

Many thanks.

--

Samantha Perkins

Associate Director of Academic Affairs

THE DESIGN SCHOOL | The Herberger Institute for Design and the Arts
Arizona State University

samantha.j.perkins@asu.edu

design.asu.edu/donate

On Jan 7, 2021, at 10:26 AM, Stephani Etheridge Woodson <swoodson@asu.edu> wrote:

Another new concentration from Poly. Do you see any difficulties or substantive overlaps? They do mention something about product development. If you forward classes you feel are relevant, I will ask them to include as approved electives. This one does not have that many though, max 9 hours.

with appreciation, Stephani

Stephani Etheridge Woodson

Interim Associate Dean of Students

Herberger Institute for Design and the Arts

The FDT Evelyn Smith Professor | School of Music, Dance and Theatre

Director, Design and Arts Corps | herbergerinstitute.asu.edu/design-and-arts-corps

She/Her/Hers

COVID-19 Resources for Students

From: Sergio Quiros <Sergio.Quiros@asu.edu>

Date: Thursday, January 7, 2021 at 10:18 AM

To: Stephani Etheridge Woodson <swoodson@asu.edu>

Cc: James Collofello <JAMES.COLLOFELLO@asu.edu>, Jeremy Helm <JEREMY.HELM@asu.edu>

Subject: FW: MS in Human Systems Engineering (User Experience Research) - Graduate College Review

Sent on behalf of Dr. James S. Collofello

Hello,

I am writing to request an impact/support letter (email will suffice) for our proposed [MS in Human Systems Engineering \(User Experience Research\)](#) concentration. This degree program is offered by The Polytechnic School.

Please let me know if you have any questions or concerns.

jim

James S. Collofello

Vice Dean for Academic and Student Affairs

Professor of Computer Science and Engineering

School of Computing Informatics and Decision Systems Engineering

Ira A. Fulton Schools of Engineering

Arizona State University

College of Health Solutions

From: [Deborah Helitzer \(Dean\)](#)
To: [Sergio Quiros](#)
Cc: [James Collofello](#); [Jeremy Helm](#)
Subject: Re: MS in Human Systems Engineering (User Experience Research) - Graduate College Review
Date: Thursday, January 7, 2021 4:36:30 PM

The College of Health Solutions wishes you the best of luck on your application. We have no conflict with this program.

Deborah

Deborah Helitzer, Sc.D.
Dean and Professor
College of Health Solutions
Arizona State University

For all questions or appointments, please contact Daniel Eckstrom

From: Sergio Quiros <Sergio.Quiros@asu.edu>
Date: Thursday, January 7, 2021 at 10:18 AM
To: Deborah Helitzer (Dean) <Deborah.Helitzer@asu.edu>
Cc: James Collofello <JAMES.COLLOFELLO@asu.edu>, Jeremy Helm <JEREMY.HELM@asu.edu>
Subject: FW: MS in Human Systems Engineering (User Experience Research) - Graduate College Review

Sent on behalf of Dr. James S. Collofello

Hello,

I am writing to request an impact/support letter (email will suffice) for our proposed [MS in Human Systems Engineering \(User Experience Research\)](#) concentration. This degree program is offered by The Polytechnic School.

Please let me know if you have any questions or concerns.

jim

James S. Collofello
Vice Dean for Academic and Student Affairs
Professor of Computer Science and Engineering
School of Computing Informatics and Decision Systems Engineering
Ira A. Fulton Schools of Engineering
Arizona State University

New College of Interdisciplinary Arts and Sciences

From: Patricia Friedrich <Patricia.Friedrich@asu.edu>
Sent: Thursday, February 11, 2021 10:24 AM
To: Sergio Quiros <Sergio.Quiros@asu.edu>
Cc: Jeremy Helm <JEREMY.HELM@asu.edu>; James Collofello <JAMES.COLLOFELLO@asu.edu>
Subject: Re: MS in Human Systems Engineering (User Experience Research) - Graduate College Review

Dear Sergio,

The School of Mathematical and Natural Sciences has expressed no concerns and is supportive of the proposal. I am waiting for the School of Social and Behavioral Sciences to respond today. I will forward that to you as well as soon as I can.

Thank you, Patty

Patricia Friedrich, PhD
She, Her, Hers
Associate Dean of Academic Programs and Faculty Affairs,
New College of Interdisciplinary Arts and Sciences
Professor of Sociolinguistics,
School of Social and Behavioral Sciences

Arizona State University
P. O. Box 37100
4701 W. Thunderbird Rd. Mail Code 3051
Phoenix, AZ, USA 85069-7100
voice 602 543-6046

From: Sergio Quiros <Sergio.Quiros@asu.edu>
Date: Wednesday, February 10, 2021 at 3:46 PM
To: Patricia Friedrich <Patricia.Friedrich@asu.edu>
Cc: Jeremy Helm <JEREMY.HELM@asu.edu>, James Collofello <JAMES.COLLOFELLO@asu.edu>
Subject: RE: MS in Human Systems Engineering (User Experience Research) - Graduate College Review

Thank you. We appreciate your consideration to support the proposal.

Sergio Q. Quiros

Specialist Senior, Academic and Student Affairs
Ira A. Fulton Schools of Engineering
Arizona State University
Tempe, AZ 85287-8109
Phone: 480/727-5770
Email: Sergio.Quiros@asu.edu

From: Patricia Friedrich <Patricia.Friedrich@asu.edu>
Sent: Wednesday, February 10, 2021 3:45 PM
To: Sergio Quiros <Sergio.Quiros@asu.edu>
Cc: James Collofello <JAMES.COLLOFELLO@asu.edu>; Jeremy Helm <JEREMY.HELM@asu.edu>
Subject: Re: MS in Human Systems Engineering (User Experience Research) - Graduate College Review

I am so sorry, I didn't realize that this had not been addressed. I will contact the schools right away. More very soon, Patty

Patricia Friedrich, PhD

She, Her, Hers

Associate Dean of Academic Programs and Faculty Affairs,

New College of Interdisciplinary Arts and Sciences

Professor of Sociolinguistics,

School of Social and Behavioral Sciences

Arizona State University

P. O. Box 37100

4701 W. Thunderbird Rd. Mail Code 3051

Phoenix, AZ, USA 85069-7100

voice 602 543-6046

From: Sergio Quiros <Sergio.Quiros@asu.edu>
Date: Wednesday, February 10, 2021 at 3:42 PM
To: Patricia Friedrich <Patricia.Friedrich@asu.edu>
Cc: James Collofello <JAMES.COLLOFELLO@asu.edu>, Jeremy Helm <JEREMY.HELM@asu.edu>
Subject: RE: MS in Human Systems Engineering (User Experience Research) - Graduate College Review

Dr. Friedrich,

The Graduate College is asking for your academic units response to the for our proposed [MS in Human Systems Engineering \(User Experience Research\)](#) concentration. They have indicated the proposal cannot move forward on the university review unless we provide a statement of support before February 23rd, the date of the UGC meeting.

Do you have any questions or concerns?

Thank you,

Sergio Quiros

Specialist Senior, Academic and Student Affairs
Ira A. Fulton Schools of Engineering
Arizona State University

Request to implement a new graduate concentration

11-6-17

Page 32 of 36

Tempe, AZ 85287-8109
Phone: 480/727-5770
Email: Sergio.Quiros@asu.edu

From: Sergio Quiros
Sent: Thursday, January 7, 2021 10:18 AM
To: Patricia Friedrich <Patricia.Friedrich@asu.edu>
Cc: James Collofello <JAMES.COLLOFELLO@asu.edu>; Jeremy Helm <JEREMY.HELM@asu.edu>
Subject: FW: MS in Human Systems Engineering (User Experience Research) - Graduate College Review

Sent on behalf of Dr. James S. Collofello

Hello,

I am writing to request an impact/support letter (email will suffice) for our proposed [MS in Human Systems Engineering \(User Experience Research\)](#) concentration. This degree program is offered by The Polytechnic School.

Please let me know if you have any questions or concerns.

jim

James S. Collofello
Vice Dean for Academic and Student Affairs
Professor of Computer Science and Engineering
School of Computing Informatics and Decision Systems Engineering
Ira A. Fulton Schools of Engineering
Arizona State University

Watts College of Public Service and Community Solutions

From: [William Terrill](#)
To: [Sergio Quiros](#)
Cc: [William Terrill](#); [James Collofello](#); [Jeremy Helm](#)
Subject: Re: FW: MS in Human Systems Engineering (User Experience Research) - Graduate College Review
Date: Thursday, January 7, 2021 4:24:04 PM

Watts College is pleased to support the proposed [MS in Human Systems Engineering \(User Experience Research\)](#) concentration.

William Terrill, PhD

Arizona State University

Associate Dean, Watts College of Public Service and Community Solutions

Professor, School of Criminology & Criminal Justice

Co-Editor, *Policing: A Journal of Policy & Practice*

On Thu, Jan 7, 2021 at 11:08 AM Sergio Quiros <Sergio.Quiros@asu.edu> wrote:

Sent on behalf of Dr. James S. Collofello

Hello,

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Please let me know if you have any questions or concerns.

jim

James S. Collofello
Vice Dean for Academic and Student Affairs
Professor of Computer Science and Engineering
School of Computing Informatics and Decision Systems Engineering
Ira A. Fulton Schools of Engineering
Arizona State University

Walter Cronkite School of Journalism and Mass Communication

From: Kristin Gilger <Kristin.Gilger@asu.edu> **Sent:** Wednesday, February 10, 2021 7:08 PM
To: Sergio Quiros <Sergio.Quiros@asu.edu>
Cc: James Collofello <JAMES.COLLOFELLO@asu.edu>; Jeremy Helm <JEREMY.HELM@asu.edu>
Subject: RE: MS in Human Systems Engineering (User Experience Research) - Graduate College Review

We have no objections to this proposal.

Kristin Gilger

Interim Dean
Reynold Professor in Business Journalism

Walter Cronkite School of
Journalism and Mass Communication
Arizona State University
Home of Arizona PBS

mobile: 480-273-6128
email: kristin.gilger@asu.edu



From: Sergio Quiros <Sergio.Quiros@asu.edu> **Sent:** Wednesday, February 10, 2021 3:43 PM
To: Kristin Gilger <Kristin.Gilger@asu.edu>
Cc: James Collofello <JAMES.COLLOFELLO@asu.edu>; Jeremy Helm <JEREMY.HELM@asu.edu>
Subject: RE: MS in Human Systems Engineering (User Experience Research) - Graduate College Review

Dr. Gilger,

The Graduate College is asking for your academic units response to the for our proposed [MS in Human Systems Engineering \(User Experience Research\)](#) concentration. They have indicated the proposal cannot move forward on the university review unless we provide a statement of support before February 23rd, the date of the UGC meeting.

Do you have any questions or concerns? Thank

you,

Sergio Quiros

Specialist Senior, Academic and Student Affairs
Ira A. Fulton Schools of Engineering
Arizona State University Tempe, AZ
85287-8109 Phone: 480/727-5770
Email: Sergio.Quiros@asu.edu

(NEW GRADUATE INITIATIVES)

PROPOSAL PROCEDURES CHECKLIST

Academic units should adhere to the following procedures when requesting new curricular initiatives (degrees, concentrations or certificates).

Obtain the required approval from the Office of the Provost to move the initiative forward for internal ASU governance reviews/approvals. Please see the academic strategic plan website at: <https://provost.asu.edu/curriculum-development>.

Submit any new courses that will be required for the new curricular program to the Curriculum ChangeMaker online course approval system for review and approval.

- Additional information can be found at the Provost's Office Curriculum Development website: [Courses link](#)
- For questions regarding proposing new courses, send an email to: courses@asu.edu

Prepare the applicable proposal template and operational appendix for the proposed initiative.

Obtain letters or memos of support or collaboration (if applicable).

- When resources (faculty or courses) from another academic unit will be utilized
- When other academic units may be impacted by the proposed program request
- if the program will have an online delivery option support will be required from the Provost's office and ASU Online. *(Please complete the ASU Online Offering form in Curriculum ChangeMaker to begin this request.)*

Obtain the internal reviews/approvals of the academic unit.

- Internal faculty governance review committee(s)
- academic unit head (e.g. Department Chair or School Director)
- academic unit Dean (will submit approved proposal to the curriculumplanning@asu.edu email account for further ASU internal governance reviews (as applicable, University Graduate Council, CAPC and Senate)

Additional Recommendations

All new graduate programs require specific processes and procedures to maintain a successful degree program. Below are items that the Graduate College strongly recommends that academic units establish after the program is approved for implementation.

Establish satisfactory academic progress policies, processes and guidelines – Check within the proposing academic unit and/or college to see if there are existing academic progress policies and processes in place. If none have been established, please go to http://graduate.asu.edu/faculty_staff/policies and scroll down to the **academic progress review and remediation processes** (for faculty and staff) section to locate the reference tool and samples for establishing these procedures.

Establish a Graduate Student Handbook for the new degree program – Students need to know the specific requirements and milestones they must meet throughout their degree program. A Graduate Student Handbook provided to students when they are admitted to the degree program and published on the website for the new degree gives students this information. Include in the handbook the unit/college satisfactory academic progress policies, current degree program requirements (outlined in the approved proposal) and provide a link to the Graduate Policies and Procedures website. Please go to http://graduate.asu.edu/faculty_staff/policies to access Graduate Policies and Procedures.