# University Course Review Committee

**Minutes**

**Meeting #321**

**October 27, 2022 – 3-5pm**

UCRC Members: Warrie Means, David Mukai, Karen Bartsch Estes, Kami Danaei, Steve Smutko, Nicole Choi, Janelle Krueger, and Peter Parolin. Christi Thompson as Jenna Shim Proxy.

Administrative Support: Molly DeLau, Jennifer Waluta

**Part I- Consent Agenda (modifications)**

**College of Engineering and Physical Sciences (modifications)**

* ARE - 1000 - Exploring CAECM - Approved
* CE - 1000 - Exploring CAECM- Approved
* CE - 4800 – Hydrology -Rejected
* CE - 5800 – Hydrology - Rejected
* CM - 4900 - Capstone Project - Approved
* LS - 2400 - Basic Geodesy for Surveyors – Approved
* LS - 3300 - Ethics for the Professional Surveyor – Approved
* CE - 4470 - Water for Energy – Rejected -Needs new course proposal
* CE - 5470 - Water for Energy – Rejected -Needs new course proposal
* CE - 4480 - Carbon Capture and Storage Rejected- Deleted from Curriculog (Needs cross-listed/dual-listed with ERS 4480/5480)
* CE - 5480 - Carbon Capture and Storage Rejected– Deleted from Curriculog (Needs cross-listed/dual-listed with ERS 4480/5480)

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| **ARE - 1000 - Exploring CAECM** |
| Status | active |
| Hierarchy Entities | Architectural Engineering |
| Approval Process Name | 2023-2024 Course Modify |
| Current Step | University Course Review Committee |
| Originator | Mindy Zwieg |
| Created | 10/03/2022 03:36PM |
| Launched | 10/04/2022 12:04PM |
| Form |  |
| General Catalog Information |  |
| Acalog Hierarchy Owner | Architectural Engineering |
| Curriculog Approving Department/College | Architectural Engineering (ARE) |
| Subject | ARE |
| Number | 1000 |
| Course Type | Architectural Engineering |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Old Course Title | Exploring CAECM |
| New Course Title | Exploring CAECM |
| New Course Title (Short) | Exploring CAECM |
| Old Course Description  | Introduction to civil and architectural engineering professions through exploration of modern engineering challenges. Students work on a design project, starting with problem definition and working towards concept designs using spreadsheet and communication tools. Professional topics introduced include globalization, diversity, professional ethics, design limitations and constraints, sustainability, environmental stewardship, and engineering economics. |
| New Course Description | Introduction to civil and architectural engineering professions through exploration of modern engineering challenges. Students work on a design project, starting with problem definition and working towards concept designs using spreadsheet and communication tools. Professional topics introduced include globalization, diversity, professional ethics, design limitations and constraints, sustainability, environmental stewardship, and engineering economics. |
| Select Curriculum Committee College | Engineering Curriculum Committee |
| Current USP Attributes |  |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute requested | No |
| A&S College Core 2015 |  |
| Level Code | UG: 4999 Lower |
| Credit Hours Type |  |
| Credit Hours Low: | 1 |
| Credit Hours High | 1 |
| Max Credit | 1 |
| Dual Listed |  |
| Cross Listed | ARE 1000, CE 1000, CM 1000 |
| Prerequisite | None |
| Enforce in Banner? | Yes |
| Grade Mode A/F | L |
| Restricted | None |
| Activity Type | Studio |
| Former Course Number | None |
| Rationale for Course Change: | This course (Exploring CAECM) is a required course for all CE, ARE and CM majors but is currently only cross-listed under CE and ARE. To streamline registration and ensure consistent communication of the curriculum requirements for CM students, we propose to cross-list the course across all three disciplines (CE, ARE and CM). |
| Additional Notes not Covered on this Form: | Note that the course was previously titled "VISTA Studio I" but was changed via the CARF process in Spring 2022 to "Exploring CAECM" to reflect the discontinuation of the VISTA course sequence. |

**CM - 1000 - Exploring CAECM**

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| Status | active |
| Hierarchy Entities | Construction Management |
| Approval Process Name | 2023-2024 Course Modify |
| Current Step | University Course Review Committee |
| Originator | Mindy Zwieg |
| Created | 10/03/2022 03:52PM |
| Launched | 10/04/2022 12:06PM |
| Form |  |
| General Catalog Information |  |
| Acalog Hierarchy Owner | Construction Management |
| Curriculog Approving Department/College | Construction Management (CM) |
| Subject | CM |
| Number | 1000 |
| Course Type | Construction Management |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Old Course Title | Exploring CAECM |
| New Course Title | Exploring CAECM |
| New Course Title (Short) | Exploring CAECM |
| Old Course Description  | Introduction to civil and architectural engineering professions through exploration of modern engineering challenges. Students work on a design project, starting with problem definition and working towards concept designs using spreadsheet and communication tools. Professional topics introduced include globalization, diversity, professional ethics, design limitations and constraints, sustainability, environmental stewardship, and engineering economics. |
| New Course Description | Introduction to civil and architectural engineering professions through exploration of modern engineering challenges. Students work on a design project, starting with problem definition and working towards concept designs using spreadsheet and communication tools. Professional topics introduced include globalization, diversity, professional ethics, design limitations and constraints, sustainability, environmental stewardship, and engineering economics. |
| Select Curriculum Committee College | Engineering Curriculum Committee |
| Current USP Attributes |  |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute requested | No |
| A&S College Core 2015 |  |
| Level Code | UG: 4999 Lower |
| Credit Hours Type |  |
| Credit Hours Low: | 1 |
| Credit Hours High | 1 |
| Max Credit | 1 |
| Dual Listed |  |
| Cross Listed | CM 1000, ARE 1000, CE 1000. |
| Prerequisite | None |
| Enforce in Banner? | Yes |
| Grade Mode A/F | L |
| Restricted | None |
| Activity Type | Studio |
| Former Course Number | None |
| Rationale for Course Change: | This course (Exploring CAECM) is a required course for all CE, ARE and CM majors but is currently only cross-listed under CE and ARE. To streamline registration and ensure consistent communication of the curriculum requirements for CM students, we propose to cross-list the course across all three disciplines (CE, ARE and CM). |
| Additional Notes not Covered on this Form: | Note that the course was previously titled "VISTA Studio I" but was changed via the CARF process in Spring 2022 to "Exploring CAECM" to reflect the discontinuation of the VISTA course sequence. |

* CE - 5535 - Traffic Flow Engineering

**CE - 4800 - Hydrology**

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| Status | active |
| Hierarchy Entities | Civil & Arch Engineering |
| Approval Process Name | 2023-2024 Course Modify |
| Current Step | University Course Review Committee |
| Originator | Mindy Zwieg |
| Created | 10/03/2022 04:03PM |
| Launched | 10/03/2022 04:15PM |
| Form |  |
| General Catalog Information |  |
| Acalog Hierarchy Owner | Civil & Arch Engineering |
| Curriculog Approving Department/College | Civil & Arch Engineering (CE) |
| Subject | CE |
| Number | 4800 |
| Course Type | Civil Engineering |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Old Course Title | Hydrology |
| New Course Title | Hydrology |
| New Course Title (Short) | Hydrology |
| Old Course Description  | Analysis of elements of the hydrologic cycle and design with emphasis on precipitation, evaportranspiration, infiltration, runoff and groundwater. Precipitation/Runoff relationships, routing methods, flood prediction, groundwater yield and drawdown in unconfined and confined aquifers, unsteady well behavior, and method of images are also introduced. |
| New Course Description | Analysis of elements of the hydrologic cycle and design with emphasis on precipitation, evaportranspiration, infiltration, runoff and groundwater.  Precipitation/Runoff relationships, routing methods, flood prediction, groundwater yield and drawdown in unconfined and confined aquifers, unsteady well behavior, and method of images are also introduced. |
| Select Curriculum Committee College | Engineering Curriculum Committee |
| Current USP Attributes |  |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute requested | No |
| A&S College Core 2015 |  |
| Level Code | UG: 4999 Lower |
| Credit Hours Type |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit | 3 |
| Dual Listed | CE 4800, CE 5800 |
| Cross Listed |  |
| Prerequisite | CE 3300 Hydraulic Engineering, ES 2330 or approval of instructor. |
| Enforce in Banner? | Yes |
| Grade Mode A/F | L |
| Restricted | None. |
| Activity Type | Lecture |
| Former Course Number | None |
| Rationale for Course Change: | This course (CE 4800 Hydrology) is currently offered to undergraduate civil engineering students, and the department wishes to offer graduate credit for the course (with additional requirements for graduate students). This helps our students who are currently undergraduates at UW to gain graduate credit to progress towards their BS/MS degrees here at UW. The change in prerequisites is proposed to address students who took their undergraduate coursework at another institution. |
| Additional Notes not Covered on this Form: |  |
| Impact, Attachments and Acknowledgments |  |
| Impact Report Result | No courses in the department will be taught less or discontinued as a result of the change in prerequisites and dual listing. |

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| **CE - 5800 - Hydrology** |
| Status | active |
| Hierarchy Entities | Civil & Arch Engineering |
| Approval Process Name | 2023-2024 Course Modify |
| Current Step | University Course Review Committee |
| Originator | Mindy Zwieg |
| Created | 10/03/2022 04:15PM |
| Launched | 10/03/2022 04:20PM |
| Form |  |
| General Catalog Information |  |
| Acalog Hierarchy Owner | Civil & Arch Engineering |
| Curriculog Approving Department/College | Civil & Arch Engineering (CE) |
| Subject | CE |
| Number | 5800 |
| Course Type | Civil Engineering |
| Effective Semester  | Fall |
| Effective Year | 2024 |
| Old Course Title | Hydrology |
| New Course Title | Hydrology |
| New Course Title (Short) | Hydrology |
| Old Course Description  | Analysis of elements of the hydrologic cycle and design with emphasis on precipitation, evapotranspiration, infiltration, runoff and groundwater. Precipitation/Runoff relationships, routing methods, flood prediction, groundwater yield and drawdown in unconfined and confined aquifers, unsteady well behavior, and method of images are also introduced. |
| New Course Description | Analysis of elements of the hydrologic cycle and design with emphasis on precipitation, evapotranspiration, infiltration, runoff and groundwater. Precipitation/Runoff relationships, routing methods, flood prediction, groundwater yield and drawdown in unconfined and confined aquifers, unsteady well behavior, and method of images are also introduced. |
| Select Curriculum Committee College | Engineering Curriculum Committee |
| Current USP Attributes |  |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute requested | No |
| A&S College Core 2015 |  |
| Level Code | GR: 5000-5999 |
| Credit Hours Type |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit | 3 |
| Dual Listed | CE 5800, CE 4800 |
| Cross Listed |  |
| Prerequisite | CE 3300 Hydraulic Engineering, ES 2330 or approval of instructor |
| Enforce in Banner? | Yes |
| Grade Mode A/F | L |
| Restricted | None |
| Activity Type | Lecture |
| Former Course Number | None |
| Rationale for Course Change: | This course (CE 4800 Hydrology) is currently offered to undergraduate civil engineering students, and the department wishes to offer graduate credit for the course (with additional requirements for graduate students). This helps our students who are currently undergraduates at UW to gain graduate credit to progress towards their BS/MS degrees here at UW. The change in prerequisites is proposed to address students who took their undergraduate coursework at another institution. |
| Additional Notes not Covered on this Form: |  |
| Impact, Attachments and Acknowledgments |  |
| Impact Report Result | No courses in the department will be taught less or discontinued as a result of the change in prerequisites and dual listing. |

**CM - 4900 - Capstone Project**

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| Status | active |
| Hierarchy Entities | Construction Management |
| Approval Process Name | 2023-2024 Course Modify |
| Current Step | University Course Review Committee |
| Originator | Mindy Zwieg |
| Created | 10/03/2022 04:25PM |
| Launched | 10/03/2022 04:34PM |
| Form |  |
| General Catalog Information |  |
| Acalog Hierarchy Owner | Construction Management |
| Curriculog Approving Department/College | Construction Management (CM) |
| Subject | CM |
| Number | 4900 |
| Course Type | Construction Management |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Old Course Title | Capstone Project |
| New Course Title | Capstone Project |
| New Course Title (Short) | Capstone Project |
| Old Course Description  | Project-based capstone course involving all aspects of project delivery, from initial planning to completion, including budgets, estimating, scheduling, financing and creating contracts and other construction forms as necessary. Case studies will be utilized to develop critical thinking skills. |
| New Course Description | Project-based capstone course involving all aspects of project delivery, from initial planning to completion, including budgets, estimating, scheduling, financing and creating contracts and other construction forms as necessary. Case studies will be utilized to develop critical thinking skills. |
| Select Curriculum Committee College | Engineering Curriculum Committee |
| Current USP Attributes |  |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute requested | No |
| A&S College Core 2015 |  |
| Level Code | UG: 4999 Lower |
| Credit Hours Type |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit | 3 |
| Dual Listed |  |
| Cross Listed |  |
| Prerequisite | C in CM 4100, C in CM 4140, and Concurrent enrollemnt in CM 4600. |
| Enforce in Banner? | Yes |
| Grade Mode A/F | L |
| Restricted | None |
| Activity Type | Lecture |
| Former Course Number | None |
| Rationale for Course Change: | Currently the CM 4900 Capstone Project course requires a prerequisite of a C grade in CM 4100 Project Management. Based on the performance from our most recent graduating class, to ensure success in CM 4900, we propose to add a prerequisite of a C grade in CM 4140 Heavy CM Methods and to add a prerequisite of concurrent enrollment in CM 4600 Building Information Modeling. This is because the Capstone Project course requires applying knowledge of heavy construction methods and utilizing building information modeling in order to successfully complete the senior group project. Since CM 4600 is offered in the Spring semester (same as CM 4900), it is OK for this to be required as concurrent enrollment. |

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| **LS - 2400 - Basic Geodesy for Surveyors** |
| Status | active |
| Hierarchy Entities | Land Surveying |
| Approval Process Name | 2023-2024 Course Modify |
| Current Step | University Course Review Committee |
| Originator | Mindy Zwieg |
| Created | 10/03/2022 04:38PM |
| Launched | 10/03/2022 04:45PM |
| Form |  |
| General Catalog Information |  |
| Acalog Hierarchy Owner | Land Surveying |
| Curriculog Approving Department/College | Land Surveying (LS) |
| Subject | LS |
| Number | 2400 |
| Course Type | Land Surveying |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Old Course Title | Basic Geodesy for Surveyors |
| New Course Title | Basic Geodesy for Surveyors |
| New Course Title (Short) | Basic Geodesy for Surveyors |
| Old Course Description  | The history of geodesy including measurement techniques, coordinate systems, ellipsoids, and datums is reviewed. The modern geodecit and Cartesian coordinates systems, as well as the differences between grid and ground coordinates systems, and the current geodetic and Cartesian coordinate systems available today are discussed. |
| New Course Description | The history of geodesy including measurement techniques, coordinate systems, ellipsoids, and datums is reviewed.  The modern geodecit and Cartesian coordinates systems, as well as the differences between grid and ground coordinates systems, and the current geodetic and Cartesian coordinate systems available today are discussed. |
| Select Curriculum Committee College | Engineering Curriculum Committee |
| Current USP Attributes |  |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute requested | No |
| A&S College Core 2015 |  |
| Level Code | UG: 4999 Lower |
| Credit Hours Type |  |
| Credit Hours Low: | 2 |
| Credit Hours High | 2 |
| Max Credit | 2 |
| Dual Listed |  |
| Cross Listed |  |
| Prerequisite | None |
| Enforce in Banner? | Yes |
| Grade Mode A/F | L |
| Restricted | None |
| Activity Type | Lecture |
| Former Course Number | None |
| Rationale for Course Change: | This course is offered for working professionals seeking to obtain a professional surveying license. The students take the courses based on their availability and schedules, and using prerequisites causes unnecessary restrictions during the registration process. |

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| **LS - 3300 - Ethics for the Professional Surveyor** |
| Status | active |
| Hierarchy Entities | Land Surveying |
| Approval Process Name | 2023-2024 Course Modify |
| Current Step | University Course Review Committee |
| Originator | Mindy Zwieg |
| Created | 10/03/2022 04:46PM |
| Launched | 10/03/2022 04:53PM |
| Form |  |
| General Catalog Information |  |
| Acalog Hierarchy Owner | Land Surveying |
| Curriculog Approving Department/College | Land Surveying (LS) |
| Subject | LS |
| Number | 3300 |
| Course Type | Land Surveying |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Old Course Title | Ethics for the Professional Surveyor |
| New Course Title | Ethics for the Professional Surveyor |
| New Course Title (Short) | Ethics for the Professional Su |
| Old Course Description  | Introduction to the common ethical and moral issues facing professional surveyors in modern practice. |
| New Course Description | Introduction to the common ethical and moral issues facing professional surveyors in modern practice. |
| Select Curriculum Committee College | Engineering Curriculum Committee |
| Current USP Attributes |  |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute requested | No |
| A&S College Core 2015 |  |
| Level Code | UG: 4999 Lower |
| Credit Hours Type |  |
| Credit Hours Low: | 1 |
| Credit Hours High | 1 |
| Max Credit | 1 |
| Dual Listed |  |
| Cross Listed |  |
| Prerequisite | None |
| Enforce in Banner? | Yes |
| Grade Mode A/F | L |
| Restricted | None |
| Activity Type | Lecture |
| Former Course Number | None |
| Rationale for Course Change: | This course is offered for working professionals seeking to obtain a professional surveying license.  The students take the courses based on their availability and schedules, and using prerequisites causes unnecessary restrictions during the registration process. |

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| **CE - 4470 - Water for Energy** |
| Status | active |
| Hierarchy Entities | Civil & Arch Engineering |
| Approval Process Name | 2023-2024 Course Modify |
| Current Step | University Course Review Committee |
| Originator | Mindy Zwieg |
| Created | 10/03/2022 04:54PM |
| Launched | 10/03/2022 05:32PM |
| Form |  |
| General Catalog Information |  |
| Acalog Hierarchy Owner | Civil & Arch Engineering |
| Curriculog Approving Department/College | Civil & Arch Engineering (CE) |
| Subject | CE |
| Number | 4470 |
| Course Type | Civil Engineering |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Old Course Title | Water for Energy |
| New Course Title | Water for Energy |
| New Course Title (Short) | Water for Energy |
| Old Course Description  | Water is an integral component of energy systems. This course addresses technical, economic, and policy issues related to water use and waste discharges for energy production and conversion with a focus on the electric power sector. This course begins with an overview of the energy-water nexus and then outlines water resources management and energy systems. This course explores engineering principals driving water use for a variety of energy systems and assesses the water impacts of climate change, energy production and conversion, and environmental regulation. This course analyzes water use at multiple levels, including power plant level, regional level, and life cycle. This course further examines tradeoffs in water use, waste discharge, and cost at thermoelectric power plants and reveals the effects on such tradeoffs of power generation technology, cooling technology, and carbon regulation. In addition, this course also emphasizes the role of water reuse and recycling in promoting sustainable energy production. This course finally explores the energy-climate-water nexus and highlights a need for integrated resource management toward sustainable development in a carbon-constrained energy future.  |
| New Course Description | Water is an integral component of energy systems. This course addresses technical, economic, and policy issues related to water use for energy production and conversion with a focus on the electric power sector and then highlights a strong need for integrated resource management in a low-carbon energy future. |
| Select Curriculum Committee College | Engineering Curriculum Committee |
| Current USP Attributes |  |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute requested | No |
| A&S College Core 2015 |  |
| Level Code | UG: 4999 Lower |
| Credit Hours Type |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit | 3 |
| Dual Listed | CE 4470, CE 5470 |
| Cross Listed |  |
| Prerequisite | ES 2310 Thermodynamics or equivalent and CE 3400 Introduction to Environmental Engineering or equivalent, which could be waived for non-CE students.   |
| Enforce in Banner? | Yes |
| Grade Mode A/F | L |
| Restricted | None. |
| Activity Type | Lecture |
| Former Course Number | None |
| Rationale for Course Change: | This course has been taught in the Fall and Spring as CE 4920 and CE 5700 Water for Energy.  This class has been attended by graduate, and undergraduate students.  This course offer indepth knowledge of Water Flow.  Current course offerings were successful, therefore making this a regular course and offering it regularly would be very beneficial for students.  |
| Additional Notes not Covered on this Form: |  |
| Impact, Attachments and Acknowledgments |  |
| Impact Report Result | This course will not have impact on other courses.  It has been previously taught by Dr. Haibo Zhai. |
| Acknowledgement | I acknowledge that all areas of this proposal have been completed as required for the purpose of this request.  |

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| **CE - 5470 - Water for Energy** |
| Status | active |
| Hierarchy Entities | Civil & Arch Engineering |
| Approval Process Name | 2023-2024 Course Modify |
| Current Step | University Course Review Committee |
| Originator | Mindy Zwieg |
| Created | 10/03/2022 05:16PM |
| Launched | 10/03/2022 05:32PM |
| Form |  |
| General Catalog Information |  |
| Acalog Hierarchy Owner | Civil & Arch Engineering |
| Curriculog Approving Department/College | Civil & Arch Engineering (CE) |
| Subject | CE |
| Number | 5470 |
| Course Type | Civil Engineering |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Old Course Title | Water for Energy |
| New Course Title | Water for Energy |
| New Course Title (Short) | Water for Energy |
| Old Course Description  | Water is an integral component of energy systems. This course addresses technical, economic, and policy issues related to water use and waste discharges for energy production and conversion with a focus on the electric power sector. This course begins with an overview of the energy-water nexus and then outlines water resources management and energy systems. This course explores engineering principals driving water use for a variety of energy systems and assesses the water impacts of climate change, energy production and conversion, and environmental regulation. This course analyzes water use at multiple levels, including power plant level, regional level, and life cycle. This course further examines tradeoffs in water use, waste discharge, and cost at thermoelectric power plants and reveals the effects on such tradeoffs of power generation technology, cooling technology, and carbon regulation. In addition, this course also emphasizes the role of water reuse and recycling in promoting sustainable energy production. This course finally explores the energy-climate-water nexus and highlights a need for integrated resource management toward sustainable development in a carbon-constrained energy future. |
| New Course Description | Water is an integral component of energy systems. This course addresses technical, economic, and policy issues related to water use for energy production and conversion with a focus on the electric power sector and then highlights a strong need for integrated resource management in a low-carbon energy future. |
| Select Curriculum Committee College | Engineering Curriculum Committee |
| Current USP Attributes |  |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute requested | No |
| A&S College Core 2015 |  |
| Level Code | GR: 5000-5999 |
| Credit Hours Type |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit | 3 |
| Dual Listed | CE 5470, CE 4470 |
| Cross Listed |  |
| Prerequisite | ES 2310 Thermodynamics or equivalent and CE 3400 Introduction to Environmental Engineering or equivalent, which could be waived for non-CE students.  |
| Enforce in Banner? | Yes |
| Grade Mode A/F | L |
| Restricted | None |
| Activity Type | Lecture |
| Former Course Number | None |
| Rationale for Course Change: | This course has been taught in the Fall and Spring as CE 4920 and CE 5700 Water for Energy.  This class has been attended by graduate, and undergraduate students.  This course offer in-depth knowledge of Water Flow.  Current course offerings were successful, therefore making this a regular course and offering it regularly would be very beneficial for students.  |
| Additional Notes not Covered on this Form: |  |
| Impact, Attachments and Acknowledgments |  |

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| **CE - 4480 - Carbon Capture and Storage** |
| Status | active |
| Hierarchy Entities | Civil & Arch Engineering |
| Approval Process Name | 2023-2024 Course Modify |
| Current Step | University Course Review Committee |
| Originator | Mindy Zwieg |
| Created | 10/03/2022 05:20PM |
| Launched | 10/03/2022 05:33PM |
| Form |  |
| General Catalog Information |  |
| Acalog Hierarchy Owner | Civil & Arch Engineering |
| Curriculog Approving Department/College | Civil & Arch Engineering (CE) |
| Subject | CE |
| Number | 4480 |
| Course Type | Civil Engineering |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Old Course Title | Carbon Capture and Storage |
| New Course Title | Carbon Capture and Storage |
| New Course Title (Short) | Carbon Capture and Storage |
| Old Course Description  | To stabilize global climate change, carbon capture and storage (CCS) is a key option for significantly reducing carbon dioxide (CO2) emissions from fossil fuel-fired power generation systems and industrial processes. The major objectives of this course are to offer a systematic view of CCS for decarbonizing fossil fuel-fired power plants and industrial processes and then address technical, economic and policy issues related to CCS.This course covers the design basics of various carbon capture technologies using liquid solvents, membranes, and solid sorbents; presents engineering-economic models and major metrics for CCS evaluation; discusses policies and economic strategies for CCS deployment; examines potential water and environmental impacts of CCS deployment; examines the global status of CCS; and takes an outlook for advanced carbon capture, utilization, and storage technologies, as well as low-carbon energy systems.  |
| New Course Description | To stabilize climate change, carbon capture and storage (CCS) is a key option for deeply reducing carbon dioxide (CO2) emissions from fossil fuel-fired energy systems. This course offers a systematic view of CCS and then addresses technical, economic, and policy issues related to CCS and its applications. |
| Select Curriculum Committee College | Engineering Curriculum Committee |
| Current USP Attributes |  |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute requested | No |
| A&S College Core 2015 |  |
| Level Code | UG: 4999 Lower |
| Credit Hours Type |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit | 3 |
| Dual Listed | CE 4480, CE 5480 |
| Cross Listed |  |
| Prerequisite | ES 2310 Thermodynamics or equivalent and CE 3400 Introduction to Environmental Engineering or equivalent, which could be waived for non-CE students.  |
| Enforce in Banner? | Yes |
| Grade Mode A/F | L |
| Restricted | None |
| Activity Type | Lecture |
| Former Course Number | None |
| Rationale for Course Change: | This course has been taught in the Fall and Spring as CE 4920 and CE 5700 Carbon Capture and Storage.  This class has been attended by graduate, and undergraduate students.  This course offer indepth knowledge of carbon capture and storage.  Current course offerings were successful, therefore making this a regular course and offering it regularly would be very beneficial for students.  |

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| **CE - 5480 - Carbon Capture and Storage** |
| Status | active |
| Hierarchy Entities | Civil & Arch Engineering |
| Approval Process Name | 2023-2024 Course Modify |
| Current Step | University Course Review Committee |
| Originator | Mindy Zwieg |
| Created | 10/03/2022 05:26PM |
| Launched | 10/03/2022 05:34PM |
| Form |  |
| General Catalog Information |  |
| Acalog Hierarchy Owner | Civil & Arch Engineering |
| Curriculog Approving Department/College | Civil & Arch Engineering (CE) |
| Subject | CE |
| Number | 5480 |
| Course Type | Civil Engineering |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Old Course Title | Carbon Capture and Storage |
| New Course Title | Carbon Capture and Storage |
| New Course Title (Short) | Carbon Capture and Storage |
| Old Course Description  | To stabilize global climate change, carbon capture and storage (CCS) is a key option for significantly reducing carbon dioxide (CO2) emissions from fossil fuel-fired power generation systems and industrial processes. The major objectives of this course are to offer a systematic view of CCS for decarbonizing fossil fuel-fired power plants and industrial processes and then address technical, economic and policy issues related to CCS.This course covers the design basics of various carbon capture technologies using liquid solvents, membranes, and solid sorbents; presents engineering-economic models and major metrics for CCS evaluation; discusses policies and economic strategies for CCS deployment; examines potential water and environmental impacts of CCS deployment; examines the global status of CCS; and takes an outlook for advanced carbon capture, utilization, and storage technologies, as well as low-carbon energy systems.  |
| New Course Description | To stabilize climate change, carbon capture and storage (CCS) is a key option for deeply reducing carbon dioxide (CO2) emissions from fossil fuel-fired energy systems. This course offers a systematic view of CCS and then addresses technical, economic, and policy issues related to CCS and its applications. |
| Select Curriculum Committee College | Engineering Curriculum Committee |
| Current USP Attributes |  |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute requested | No |
| A&S College Core 2015 |  |
| Level Code | GR: 5000-5999 |
| Credit Hours Type |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit | 3 |
| Dual Listed | CE 5480, CE 4480 |
| Cross Listed |  |
| Prerequisite | ES 2310 Thermodynamics or equivalent and CE 3400 Introduction to Environmental Engineering or equivalent, which could be waived for non-CE students.  |
| Enforce in Banner? | Yes |
| Grade Mode A/F | L |
| Restricted | None. |
| Activity Type | Lecture |
| Former Course Number | None |
| Rationale for Course Change: | This course has been taught in the Fall and Spring as CE 4920 and CE 5700 Carbon Capture and Storage.  This class has been attended by graduate, and undergraduate students.  This course offer indepth knowledge of Carbon Flow.  Current course offerings were successful, therefore making this a regular course and offering it regularly would be very beneficial for students.  |
|  |  |

**College of Arts and Sciences (Modifications)**

* PSYC-5630 Practicum in Clinical Supervision I - Approved
* GWST - 3600 - Gender, Race, Sex & Social Systems – At USP step (Going to November 2022 meeting)
* POLS - 3260 - Seeking Justice and Equality (going to November meeting)
* THEA 1200 – Introduction to Design (Approved)

|  |
| --- |
| **THEA - 1200 - Introduction to Design** |
| Status | active |
| Hierarchy Entities | Theater |
| Approval Process Name | 2023-2024 Course Modify |
| Current Step | University Course Review Committee |
| Originator | Margaret Wilson |
| Created | 10/03/2022 11:41PM |
| Launched | 10/03/2022 11:50PM |
| Form |  |
| General Catalog Information |  |
| Acalog Hierarchy Owner | Theater |
| Curriculog Approving Department/College | Theater (THEA) |
| Subject | THEA |
| Number | 1200 |
| Course Type | Theatre and Dance |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Old Course Title | Introduction to Design |
| New Course Title | Introduction to Design |
| New Course Title (Short) | Introduction to Design |
| Old Course Description  | Introduces and explores visual aesthetic principles as they relate to various aspects of stage design. Studio projects in scene, lighting, and costume design supplement lectures. Prerequisite for other design courses. |
| New Course Description | Introduces and explores visual aesthetic principles as they relate to various aspects of stage design. Studio projects in scene, lighting, and costume design supplement lectures. Prerequisite for other design courses. |
| Select Curriculum Committee College | Arts and Science Curriculum Committee |
| Current USP Attributes |  |
| USP Attribute being requested: | Yes |
| USP 2015 Code | H |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute requested | No |
| A&S College Core 2015 |  |
| Level Code | UG: 4999 Lower |
| Credit Hours Type |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit | 3 |
| Dual Listed | no |
| Cross Listed | no |
| Prerequisite | There are no prerequisites for this class. |
| Enforce in Banner? | Yes |
| Grade Mode A/F | L |
| Restricted | No |
| Activity Type | Lecture |
| Former Course Number | 1200 |
| Rationale for Course Change: | Add USP H designation |
| **PSYC - 5630 - Practicum in Clinical Supervision I** |
| Status | active |
| Hierarchy Entities | Department of Psychology |
| Approval Process Name | 2023-2024 Course Modify |
| Current Step | A&S Curriculum Committee |
| Originator | Cheryl Hamilton |
| Created | 09/27/2022 03:59PM |
| Launched | 09/27/2022 04:25PM |
| Form |  |
| General Catalog Information |  |
| Acalog Hierarchy Owner | Department of Psychology |
| Curriculog Approving Department/College | Department of Psychology (PSYC) |
| Subject | PSYC |
| Number | 5630 |
| Course Type | Psychology |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Old Course Title | Clinical Supervised Practicum I |
| New Course Title | Practicum in Clinical Supervision I |
| New Course Title (Short) | Practicum Clin Supervision I |
| Old Course Description  | The first semester of a one year practicum in clinical supervision for doctoral students in clinical psychology. Students supervise at least one 2nd or 3rd year clinical doctoral student, attend supervision team meetings, and may conduct group supervision and/or see clients as determined by team leader. |
| New Course Description | The first semester of a one-year practicum in clinical supervision for doctoral students inclinical psychology. Students supervise at least one 1st or 2nd year clinical doctoral student, attend supervision team meetings, and may conduct group supervision and/or see clients as determined by team leader. |
| Select Curriculum Committee College | Arts and Science Curriculum Committee |
| Current USP Attributes |  |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute requested | No |
| A&S College Core 2015 |  |
| Level Code | GR: 5000-5999 |
| Credit Hours Type |  |
| Credit Hours Low: | 2 |
| Credit Hours High | 2 |
| Max Credit | 2 |
| Dual Listed |  |
| Cross Listed |  |
| Prerequisite | enrollment in doctoral program in clinical psychology. |
| Enforce in Banner? | Yes |
| Grade Mode A/F | L |
| Restricted |  |
| Activity Type | Lecture |
| Former Course Number | 5630 |
| Rationale for Course Change: | This course was previously titled Clinical Supervised Practicum I. We are changing the name to emphasize that the students are learning how to be supervisors. ALSO, we are changing the description which previously read that students supervise 2nd and 3rd year students in the program to Students l supervise 1st and 2nd year students in the program. |
| Additional Notes not Covered on this Form: |  |
| Impact, Attachments and Acknowledgments |  |
| **GWST - 3600 - Gender, Race, Sex & Social Systems** |
| Status | active |
| Hierarchy Entities | Gender and Women's Studies |
| Approval Process Name | 2023-2024 Course Modify |
| Current Step | A&S Curriculum Committee |
| Originator | Michelle Jarman |
| Created | 09/28/2022 05:05PM |
| Launched | 09/28/2022 05:26PM |
| Form |  |
| General Catalog Information |  |
| Acalog Hierarchy Owner | Gender and Women's Studies |
| Curriculog Approving Department/College | Gender and Women's Studies (GWST) |
| Subject | GWST |
| Number | 3600 |
| Course Type | Gender and Women's Studies |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Old Course Title | Gender & Society |
| New Course Title | Gender, Race, Sex & Social Systems |
| New Course Title (Short) | Gender, Race, Sex, Soc Systems |
| Old Course Description  | Examines the social construction of gender using interdisciplinary methods of analysis. The readings and assignments emphasize the importance of denaturalizing the gender stereotypes and norms that impact women’s and men’s lives. Intersections between gender, race, class, age, and sexual orientation are examined within their cultural contexts. This course will prepare students for advanced work in Gender and Women’s Studies. |
| New Course Description | Examines the social construction of gender using interdisciplinary methods of analysis. The readings and assignments emphasize the importance of denaturalizing the gender stereotypes and norms that impact people's lives. Intersections between gender, race, class, age, and sexual orientation are examined. |
| Select Curriculum Committee College | Arts and Science Curriculum Committee |
| Current USP Attributes | COM 2 |
| USP Attribute being requested: | Yes |
| USP 2015 Code | COM2 |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute requested | No |
| A&S College Core 2015 |  |
| Level Code | UG: 4999 Lower |
| Credit Hours Type |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit | 3 |
| Dual Listed |  |
| Cross Listed |  |
| Prerequisite | ENG 1080/GWST 1080 or GWST 2000 |
| Enforce in Banner? | Yes |
| Grade Mode A/F | L |
| Restricted |  |
| Activity Type | Lecture |
| Former Course Number | 2500 |
| Rationale for Course Change: | As part of updating our curricular requirements, we are adjusting this course from a 2000 to 3000 level course. This reflects a more comprehensive and scaffolded research focus that will prepare GWST students for the 4000 level theory courses that are part of the core requirements for the major. The course will remain a COM 2 class, and the GWST 4700 class is our COM 3. |

**College of Business (Modification)**

* MBAM - 5107 - Executive Leadership I (Approved)
* MBAM - 5209 - Executive Leadership II (Approved)
* FIN - 4350 - Portfolio Management II (Approved)
* FIN - 4800 - Real Estate Finance (Approved)
* FIN - 4810 - Real Estate Investment (Approved)
* DSCI - 4280 - Supply Chain Management (Approved)
* DSCI - 2100 - Introduction to Operations and Supply Chain Management (Approved)

## **MBAM - 5107 - Executive Leadership I**

### **2023-2024 Course Modify**

#### **Process Fields**

**Acalog Hierarchy Owner**

Master of Business Administration

**Curriculog Approving Department/College**

Master of Business Administration (MBAM)

**Subject**

MBAM

**Number**

5107

**Course Type**

Master of Business Administration

**Effective Semester**

Fall

**Effective Year**

2023

**Course Title**

Executive Leadership I

**Course Description**

This course develops aspiring leaders and executives with principle-based leadership skills to navigate the volatile, ever-changing, and ambiguous environment faced by leaders at all levels. Part I of the course explores the mindset and tools of strategic thinking, alignment with mission and goals, and structured decision-making processes.

**Current USP Attributes**

None

**USP Attribute being requested:**

No

**USP 2015 Code**

**USP 2003-2014 Code**

**A&S College Curriculum attribute requested**

No

**A&S College Core 2015**

**Level Code**

GR: 5000-5999

**Credit Hours Type**

**Credit Hours Low:**

1

**Credit Hours High**

1

**Max Credit**

1

**Dual Listed**

No

**Prerequisite**

Admission to the MBAM program.

**Enforce in Banner?**

Yes

**Restricted**

**Former Course Number**

5107

**Rationale for Course Change:**

Name and description change to better reflect the course content. No changes to course material or syllabus excpet the name change and course description.

## **MBAM - 5209 - Executive Leadership II**

**Close**

### **2023-2024 Course Modify**

#### **Process Fields**

**Acalog Hierarchy Owner**

Master of Business Adminstration

**Curriculog Approving Department/College**

Master of Business Administration (MBAM)

**Subject**

MBAM

**Number**

5209

**Course Type**

Master of Business Administration

**Effective Semester**

Fall

**Effective Year**

2023

**Course Title**

Executive Leadership II

**Course Description**

Part II of our series on executive leadership utilizes case studies, discussion, and experiential learning to emphasize the servant-leader mindset. Built on timeless principles such as integrity, trust, and accountability, this foundation of character and ethics drives performance at work, at home, in our communities and in our own lives.

**Current USP Attributes**

None

**USP Attribute being requested:**

No

**USP 2015 Code**

**USP 2003-2014 Code**

**A&S College Curriculum attribute requested**

No

**A&S College Core 2015**

**Level Code**

GR: 5000-5999

**Credit Hours Type**

**Credit Hours Low:**

1

**Credit Hours High**

1

**Max Credit**

1

**Dual Listed**

No

**Prerequisite**

Admission to the MBAM program.

**Enforce in Banner?**

Yes

**Restricted**

**Former Course Number**

5209

**Rationale for Course Change:**

Name and description change to better reflect the course content. No changes to course material or syllabus excpet the name change and course description.

## **FIN - 4350 - Portfolio Management II**

**Close**

### **2023-2024 Course Modify**

#### **Process Fields**

**Acalog Hierarchy Owner**

Finance

**Curriculog Approving Department/College**

Finance (FIN)

**Subject**

FIN

**Number**

4350

**Course Type**

Finance

**Effective Semester**

Fall

**Effective Year**

2023

**Course Title**

Portfolio Management II

**Course Description**

Using Bloomberg, the course will focus on security valuation and portfolio management.  The course will incorporate Bloomberg to analyze securities and portfolio strategies.

**Current USP Attributes**

**USP Attribute being requested:**

No

**USP 2015 Code**

**USP 2003-2014 Code**

**A&S College Curriculum attribute requested**

No

**A&S College Core 2015**

**Level Code**

UG: 4999 Lower

**Credit Hours Type**

**Credit Hours Low:**

3

**Credit Hours High**

3

**Max Credit**

3

**Dual Listed**

**Prerequisite**

FIN 4340

**Enforce in Banner?**

Yes

**Restricted**

**Former Course Number**

N/A

**Rationale for Course Change:**

Considerable time is required in Portfolio Management II (4350) instructing the students on subject matters covered in Portfolio Management I (4340), reducing the effectiveness of the course. This is compounded because some students have taken 4340, and are underchallenged during the review time. Requiring 4340 as a prerequisite will enable the class to cover more material and enrich the experience for all of the students

|  |
| --- |
| **FIN - 4800 - Real Estate Finance** |
| Status | active |
| Hierarchy Entities | Finance |
| Approval Process Name | 2023-2024 Course Modify |
| Current Step | University Course Review Committee |
| Originator | Kourtney Faycosh |
| Created | 10/03/2022 04:15PM |
| Launched | 10/03/2022 04:22PM |
| Form |  |
| General Catalog Information |  |
| Acalog Hierarchy Owner | Finance |
| Curriculog Approving Department/College | Finance (FIN) |
| Subject | FIN |
| Number | 4800 |
| Course Type | Finance |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Old Course Title |  |
| New Course Title | Real Estate Finance |
| New Course Title (Short) | Real Estate Finance |
| Old Course Description  |  |
| New Course Description | Exposes students to the fundamentals of real estate finance such as mortgage financing, commercial leases, pro-forma analysis, financial modeling, tax implications, leveraged real estate and valuation of income producing properties. While the theory of each topic will be presented, the focus is on the applications of the material. |
| Select Curriculum Committee College | Business Curriculum Committee |
| Current USP Attributes |  |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute requested | No |
| A&S College Core 2015 |  |
| Level Code | UG: 4999 Lower |
| Credit Hours Type |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit | 3 |
| Dual Listed |  |
| Cross Listed |  |
| Prerequisite | FIN 3250 and FIN 3100. |
| Enforce in Banner? | Yes |
| Grade Mode A/F | L |
| Restricted |  |
| Activity Type | Lecture |
| Former Course Number | 4800 |
| Rationale for Course Change: | Provide more uniform background and prerequisite knowledge among the students. |

|  |
| --- |
| **FIN - 4810 - Real Estate Investment** |
| Status | active |
| Hierarchy Entities | Finance |
| Approval Process Name | 2023-2024 Course Modify |
| Current Step | Business Curriculum Committee |
| Originator | Kourtney Faycosh |
| Created | 10/03/2022 04:22PM |
| Launched | 10/03/2022 04:27PM |
| Form |  |
| General Catalog Information |  |
| Acalog Hierarchy Owner | Finance |
| Curriculog Approving Department/College | Finance (FIN) |
| Subject | FIN |
| Number | 4810 |
| Course Type | Finance |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Old Course Title |  |
| New Course Title | Real Estate Investment |
| New Course Title (Short) | Real Estate Investment |
| Old Course Description  |  |
| New Course Description | Exposes students to the fundamentals of real estate finance such as mortgage financing, commercial leases, pro-forma analysis, financial modeling, tax implications, leveraged real estate and valuation of income producing properties. While the theory of each topic will be presented, the focus is on the applications of the material. |
| Select Curriculum Committee College | Business Curriculum Committee |
| Current USP Attributes |  |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute requested | No |
| A&S College Core 2015 |  |
| Level Code | UG: 4999 Lower |
| Credit Hours Type |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit | 3 |
| Dual Listed |  |
| Cross Listed |  |
| Prerequisite | FIN 3250 and FIN 3100. |
| Enforce in Banner? | Yes |
| Grade Mode A/F | L |
| Restricted |  |
| Activity Type | Lecture |
| Former Course Number | 4810 |
| Rationale for Course Change: | Provide more uniform background and prerequisite knowledge among the students. |

## **FIN - 4350 - Portfolio Management II**

**Close**

### **2023-2024 Course Modify**

#### **Process Fields**

**Acalog Hierarchy Owner**

Finance

**Curriculog Approving Department/College**

Finance (FIN)

**Subject**

FIN

**Number**

4350

**Course Type**

Finance

**Effective Semester**

Fall

**Effective Year**

2023

**Course Title**

Portfolio Management II

**Course Description**

Using Bloomberg, the course will focus on security valuation and portfolio management.  The course will incorporate Bloomberg to analyze securities and portfolio strategies.

**Current USP Attributes**

**USP Attribute being requested:**

No

**USP 2015 Code**

**USP 2003-2014 Code**

**A&S College Curriculum attribute requested**

No

**A&S College Core 2015**

**Level Code**

UG: 4999 Lower

**Credit Hours Type**

**Credit Hours Low:**

3

**Credit Hours High**

3

**Max Credit**

3

**Dual Listed**

**Prerequisite**

FIN 4340

**Enforce in Banner?**

Yes

**Restricted**

**Former Course Number**

N/A

**Rationale for Course Change:**

Considerable time is required in Portfolio Management II (4350) instructing the students on subject matters covered in Portfolio Management I (4340), reducing the effectiveness of the course. This is compounded because some students have taken 4340, and are underchallenged during the review time. Requiring 4340 as a prerequisite will enable the class to cover more material and enrich the experience for all of the students

|  |
| --- |
| **DSCI - 4280 - Supply Chain Management** |
| Status | active |
| Hierarchy Entities | Decision Science |
| Approval Process Name | 2023-2024 Course Modify |
| Current Step | Business Curriculum Committee |
| Originator | Carlinda Asay |
| Created | 10/03/2022 05:43PM |
| Launched | 10/03/2022 06:01PM |
| Form |  |
| General Catalog Information |  |
| Acalog Hierarchy Owner | Department of Management & Marketing |
| Curriculog Approving Department/College | Decision Science (DSCI) |
| Subject | DSCI |
| Number | 4280 |
| Course Type | Decision Sciences |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Old Course Title | Supply Chain Management |
| New Course Title | Supply Chain Management |
| New Course Title (Short) | Supply Chain Mgt |
| Old Course Description  | Explores the links between overall business strategy and supply chain strategy, with a focus on strategic design and effective operation of supply chains to improve the organizations’ productivity and competitiveness. Examines impact of technologies transforming global supply chains such as blockchain, machine learning, analytics, robotics, and other advancements. |
| New Course Description | This course explores the links between organization strategy and supply chain strategy, with a focus on strategic design and effective operation of supply chains to improve productivity and competitiveness. It also examines the impact of information technologies transforming global supply chains to include blockchain, AI, AR, machine learning, advanced analytics, robotics, IoT, mobility and other advancements. |
| Select Curriculum Committee College | Business Curriculum Committee |
| Current USP Attributes |  |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute requested | No |
| A&S College Core 2015 |  |
| Level Code | UG: 4999 Lower |
| Credit Hours Type |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit | 3 |
| Dual Listed |  |
| Cross Listed |  |
| Prerequisite | DSCI 2100, junior class standing (non-College of Business majors: junior class standing) |
| Enforce in Banner? | Yes |
| Grade Mode A/F | L |
| Restricted |  |
| Activity Type | Lecture |
| Former Course Number | 4280 |
| Rationale for Course Change: | Management and Marketing is proposing to change the prerequisites for this course***.***With easing the pre-requisites for DSCI 2100, this will enable more students the flexibility to take upper level DSCI courses if they choose. This course is also an elective the new Blockchain Minor. As such, this course needs to accommodate more business and non-business students. The instruction method for this course is concept-based. The goal of the course is to have students develop a mastery of concepts of supply chain management that allows them to make or support decisions and strategy, to apply critical thinking and analyses to address supply chain problems and identify opportunities to add value by employing Industry 4.0 technologies, including blockchain. Students are actively engaged in “real world” business cases and other experiential activities to connect what they are learning to the “big picture.” |

|  |
| --- |
| **DSCI - 2100 - Introduction to Operations and Supply Chain Management** |
| Status | active |
| Hierarchy Entities | Decision Science |
| Approval Process Name | 2023-2024 Course Modify |
| Current Step | Business Curriculum Committee |
| Originator | Carlinda Asay |
| Created | 10/03/2022 06:04PM |
| Launched | 10/03/2022 06:11PM |
| Form |  |
| General Catalog Information |  |
| Acalog Hierarchy Owner | Department of Management & Marketing |
| Curriculog Approving Department/College | Decision Science (DSCI) |
| Subject | DSCI |
| Number | 2100 |
| Course Type | Decision Sciences |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Old Course Title | Introduction to Operations and Supply Chain Management |
| New Course Title | Introduction to Operations and Supply Chain Management |
| New Course Title (Short) | Intro to Op and Supp Chain Mgt |
| Old Course Description  | An introductory course in production and operations management. Typical topics include operations strategy, quality management, facilities location, facilities layout, forecasting, inventory management, production planning, scheduling and project management. |
| New Course Description | Introductory course in operations and supply chain management. Typical topics include operations and supply chain strategy, quality management, product/process innovation, lean systems, inventory management, manufacturing and service industry process structures, customer service management, supply management, logistics, demand planning, forecasting, project management, supply chain technology and sustainability. |
| Select Curriculum Committee College | Business Curriculum Committee |
| Current USP Attributes |  |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute requested | No |
| A&S College Core 2015 |  |
| Level Code | UG: 4999 Lower |
| Credit Hours Type |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit | 3 |
| Dual Listed |  |
| Cross Listed |  |
| Prerequisite | IMGT 2400, ECON 1020, and sophomore class standing (non-College of Business majors: sophomore class standing) |
| Enforce in Banner? | Yes |
| Grade Mode A/F | L |
| Restricted |  |
| Activity Type | Lecture |
| Former Course Number | 3210 |
| Rationale for Course Change: | As DSCI 2100 is an introductory class, the instruction method is more concept-based versus quantitative or application modeling. The intent of the course to provide students with a strong foundational understanding of operations and supply chain management concepts, actively engaging them in meaningful “real world” activities, critical analyses and issues that connect what they are learning to the “big picture.” The course introduces students to the concepts, frameworks and methods that allows them to analyze, manage and improve operations and supply chains. Sophisticated mathematical skills are not required, but having some understanding of microeconomics and business systems is desired. Additionally, the desire is to enable more students to take this course in their sophomore or junior year, affording them more flexibility to take upper level DSCI electives. |
| Additional Notes not Covered on this Form: | DSCI 2100 was previously numbered DSCI 3210, approved for number change Feb 24, 2022, meeting minutes #316, with numbering changes taking effect spring 2023. |

**College of Health Sciences (Modifications)**

* DHYG - 3750 – Periodontology (Approve)
* NURS - 4665 - Healthcare Informatics in Professional Nursing Practice (Approve)

## **DHYG - 3750 - Periodontology**

**Close**

### **2023-2024 Course Modify**

#### **Process Fields**

**Acalog Hierarchy Owner**

Dental Hygiene

**Curriculog Approving Department/College**

Dental Hygiene (DHYG)

**Subject**

DHYG

**Number**

3750

**Course Type**

Dental Hygiene

**Effective Semester**

Fall

**Effective Year**

2023

**Course Title**

Periodontology

**Course Description**

This course reviews the anatomy and histology of periodontal structures and dental accretions followed by a study of the classifications and etiology of periodontal diseases including both local and systemic factors. A thorough exploration of the hygienist’s role in disease recognition, prevention, therapeutic procedures and maintenance is also included.

**Current USP Attributes**

None

**USP Attribute being requested:**

Yes

**USP 2015 Code**

COM2

**USP 2003-2014 Code**

**A&S College Curriculum attribute requested**

No

**A&S College Core 2015**

**Level Code**

UG: 4999 Lower

**Credit Hours Type**

**Credit Hours Low:**

3

**Credit Hours High**

3

**Max Credit**

3

**Dual Listed**

**Prerequisite**

**Enforce in Banner?**

No

**Restricted**

Must be enrolled in one of the following Majors: Dental Hygiene (DHYG)

**Former Course Number**

N/A

**Rationale for Course Change:**

See attached rationale document. Those named in document are aware of this request, and Steve Barrett has requested that we submit this CARF for full approval.

**Additional Notes not Covered on this Form:**

See final section of rationale document.

|  |
| --- |
| **NURS - 4665 - Healthcare Informatics in Professional Nursing Practice** |
| Status | active |
| Hierarchy Entities | Fay W. Whitney School of Nursing |
| Approval Process Name | 2023-2024 Course Modify |
| Current Step | University Course Review Committee |
| Originator | Dawn Carver |
| Created | 09/29/2022 03:06PM |
| Launched | 09/29/2022 03:19PM |
| Form |  |
| General Catalog Information |  |
| Acalog Hierarchy Owner | Fay W. Whitney School of Nursing |
| Curriculog Approving Department/College | Fay W. Whitney School of Nursing (NURS) |
| Subject | NURS |
| Number | 4665 |
| Course Type | Nursing |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Old Course Title | Healthcare Informatics in Professional Nursing Practice |
| New Course Title | Healthcare Informatics in Professional Nursing Practice |
| New Course Title (Short) | Hlthcre Infrmtcs Prof Nrs Prac |
| Old Course Description  | Utilizing a conceptual framework, students will examine nursing informatics within healthcare systems. Emphasis is placed on examining the role of clinical information systems in improving patient outcomes across practice, education, administrative, research, and interdisciplinary applications. Ethical and legal considerations of data management are examined. |
| New Course Description | Students will develop knowledge and skills to utilize and evaluate information technologies to improve patient outcomes across diverse populations. Includes the use of Clinical Information Systems to plan and document the nursing process. Ethical and legal considerations of data management and interdisciplinary use of healthcare informatics are presented.  |
| Select Curriculum Committee College | Health Science Curriculum Committee |
| Current USP Attributes |  |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute requested | No |
| A&S College Core 2015 |  |
| Level Code | UG: 4999 Lower |
| Credit Hours Type |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit | 3 |
| Dual Listed |  |
| Cross Listed |  |
| Prerequisite | **OLD:** NURS 3895 and completion or concurrent enrollment in NURS 4690, NUR 4691, and NURS 4695**NEW:**NURS 3895 or 3745 or BSNC progression  |
| Enforce in Banner? | Yes |
| Grade Mode A/F | L |
| Restricted | Student attribute: ADN or RNL |
| Activity Type | Lecture |
| Former Course Number | None |
| Rationale for Course Change: | Currently, we offer this course under three different numbers for each UG program. We are combining the existing informatics courses in the BSN program to be available to all cohorts under on course description, objectives and course number.  |
| Additional Notes not Covered on this Form: | NURS 4690, 4691 and 4695 are old prerequisites for this course. |
| Impact, Attachments and Acknowledgments |  |

**College of Agriculture and Life Sciences**

* ANSC - 2020 - Feeds and Feeding (Going to November UCRC meeting, at CCNS

**No College Curriculum Committee**

* GIST - 5150 - Applied Geospatial Analytics (Approved)

## **GIST - 5150 - Applied Geospatial Analytics**

**Close**

### **2023-2024 Course Modify**

#### **Process Fields**

**Acalog Hierarchy Owner**

Geospatial Information Science Technology

**Curriculog Approving Department/College**

Department Head of Geospatial Information Science and Tech (GIST)

**Subject**

GIST

**Number**

5150

**Course Type**

Geospatial Information Science Technology

**Effective Semester**

Fall

**Effective Year**

2023

**New Course Title**

Applied Geospatial Analytics

**New Course Description**

Introduces scripting and programming for processing and analyzing geospatial data. The scripting aspect of the course emphasizes the automating of geospatial processes and the customizing of geospatial technologies and tools. The programming aspect of the course emphasizes the use and development of computational models to simulate and understand geographical phenomena.

**Current USP Attributes**

none

**USP Attribute being requested:**

No

**USP 2015 Code**

**USP 2003-2014 Code**

**A&S College Curriculum attribute requested**

No

**A&S College Core 2015**

**Level Code**

GR: 5000-5999

**Credit Hours Type**

**Credit Hours Low:**

3

**Credit Hours High**

3

**Max Credit**

3

**Dual Listed**

N/A

**Prerequisite**

None

**Enforce in Banner?**

No

**Restricted**

**Former Course Number**

5150

Part II – Discontinued classes

None

Part III-New Courses

**College of Engineering and Physical Sciences (New Courses)**

* CE - 5535 - Traffic Flow Engineering (Approved)

## **CE - 5535 - Traffic Flow Engineering**

**Close**

### **2023-2024 New Course**

#### **Process Fields**

**Catalog Owner**

Civil & Arch Engineering

**Approving Department/College**

Civil & Arch Engineering (CE)

**Subject**

CE

**Number**

5535

**New Subject**

CE

**New Course Type**

5535

**Course Type**

Civil Engineering

**Choose the Curriculum Committee:**

Engineering Curriculum Committee

**Effective Semester**

Spring

**Effective Year**

2024

**Course Title**

Traffic Flow Engineering

**Course Description**

This course focuses on the mathematical representations of traffic streams. Traffic flow models, queuing, traffic assignment, uninterrupted and interrupted facilities, capacity and Level of Service (LOS), and traffic simulation are discussed.  3 credit hours. Prerequisites: CE 3500 or equivalent, and graduate standing in civil or architectural engineering, or construction management.

**USP Attribute being requested:**

No

**USP 2003-2014 Code**

**A&S College Curriculum attribute being requested**

No

**A&S College Core 2015**

**Level Code**

GR: 5000-5999

**Credit Hours**

**Credit Hours Low:**

3

**Credit Hours High**

3

**Max Credit Hours:**

3

**Dual Listed**

**Prerequisites**

Prerequisites: CE 3500 or equivalent, and graduate standing in civil or architectural engineering, or construction management.

**Enforce in Banner**

Yes

**Grade Mode A/F**

L

**Rationale for New Course:**

This course focuses on the mathematical representations of traffic streams. Traffic flow models, queuing, traffic assignment, uninterrupted and interrupted facilities, capacity and Level of Service (LOS), and traffic simulation are discussed.  3 credit hours. Prerequisites: CE 3500 or equivalent, and graduate standing in civil or architectural engineering, or construction management.

**What extra material resources will be required?**

**Textbooks (to be updated as needed):**

A specific textbook is not required for this course. The recommended textbooks are as follows:

Traffic Flow Theory Monograph: <http://tft.eng.usf.edu/docs/revised_monograph_2001.pdf>

N. J. Garber and L. A. Hoel. Traffic and Highway Engineering, (4th or 5th edition). Cengage Learning, 2009 (4th edition), 2014 (5th edition).

F. L. Mannering, and S. S. Washburn. Principles of Highway Engineering and Traffic Analysis, (5th or later edition). John Wiley & Sons, Inc., 2012 (5th edition), 2016 (6th edition), 2019 (7th edition).

Transportation Research Board (TRB): Highway Capacity Manual (HCM), 6th Edition: A Guide for Multimodal Mobility Analysis Available online on [Knovel](https://app.knovel.com/kn/resources/kpHCMAGMM2/toc?b-content-type=book&b-q=highway%20capacity%20manual&concept_expand=false&date_expand=false&include_synonyms=no&q=highway%20capacity%20manual&sort_on=default)

The instructor will also provide other related materials that will consist of published literature from a variety of sources, such as scientific journal articles, editorials, books, government reports and manuals.

**Software:**

The course will require traffic simulation software: HCS (UW has academic license), Synchro (UW has academic license), IHSDM (free software), PTV VISUM/VISSIM (UW has 10 academic licenses). The licenses will need to be renewed annually or biannually.

**What personnel resources will be required?**

The class will be taught by Dr. Milan Zlatkovic during the specified semesters and will not have additional impacts on teaching load. This course has been taught in Spring 2019 and Spring 2022 as CE Problems.

**What is the impact on other courses?**

This course will not have impact on other courses. This course has been taught in Spring 2019 and Spring 2022 as CE 5700 CE Problems. The class has been attended by graduate, and undergraduate students taking it as a Professional Development Elective (PDE) course, by special permission from the instructor. Traffic Flow Theory is the basis of many traffic applications, and is one of the most important topics in traffic engineering. Graduate students need a lot more in-depth knowledge on traffic flow topics for their research. As the course covers complex topics in traffic flow, it is recommended that this course is only created as a graduate course. Current course offerings were successful, therefore making this a regular course and offering it regularly would be very beneficial for students.

**What courses does this course resemble or overlap in content or title? How does it differ?**

This is a new course and does not resemble any other courses. There are no overlaps in content or title. Some basic concepts of traffic flow are taught in CE 3500, CE 5540 and CE 4565/5565 due to the requirements of th

**College of Arts and Sciences (New Course)**

* GWST-4610/5610 – Gender, Race & Rural Spaces (Never went to A&S, November 2022)
* SPAN – 3095 - Introduction to Spanish Translation (Rejected- Shorten Course Description)
* SPAN - 4200 - Introduction to Research (Rejected- Shorten Course Description)
* SPAN - 5200 - Introduction to Research (Rejected- Shorten Course Description)
* SPAN – 4095/5095 - Advanced Translation (at A&S Committee step, November 2022 Meeting)
* PSYC 5540 – (at A&S Committee step, November 2022)
* POLS/INST 2215 (CCNS November Meeting 2022)
* Art 4002/MUSC 4002/THEA 4002 Art Entrepreneurship Seminar (Approved)

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| **GWST - 5610 - Gender, Race & Rural Spaces** |
| Status | active |
| Hierarchy Entities | Gender and Women's Studies |
| Approval Process Name | 2023-2024 New Course |
| Current Step | University Course Review Committee |
| Originator | Michelle Jarman |
| Created | 09/28/2022 07:00PM |
| Launched | 09/28/2022 07:05PM |
| Form |  |
| General Catalog Information |  |
| Catalog Owner  | Gender and Women's Studies |
| Approving Department/College | Gender and Women's Studies (GWST) |
| Subject | GWST |
| Number | 5610 |
| New Subject |  |
| New Course Type |  |
| Course Type | Gender and Women's Studies |
| Choose the Curriculum Committee: | A&S Curriculum Committee |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Course Title | Gender, Race & Rural Spaces |
| Course Title (Short) | Gender, Race & Rural Spaces |
| Course Description | This course examines how race, gender, class, and politics operate in specific and contextual ways in rural places. The course denaturalizes race and decouples ideas of rurality from Whiteness, emphasizing the perspectives and politics of groups often overlooked when discussing rural American life, including women, BIPOC people, and LGBTQ+ people. |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute being requested | No |
| A&S College Core 2015 |  |
| Level Code | GR: 5000-5999 |
| Credit Hours |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit Hours: | 3 |
| Dual Listed | GWST 4610 |
| Cross Listed |  |
| Prerequisites  |  |
| Enforce in Banner | No |
| Grade Mode A/F | L |
| Activity Type | Lecture |
| Rationale for New Course: | Dual list.  |
| What extra material resources will be required? | N/A |
| What personnel resources will be required?  | This will be taught on load by core GWST faculty.  |
| What is the impact on other courses? | no impact |
| What courses does this course resemble or overlap in content or title? How does it differ? | Unique course, and provides new graduate elective.  |
| **SPAN - 3095 - Introduction to Spanish Translation** |
| Status | active |
| Hierarchy Entities | Department of Languages - Modern and Classical |
| Approval Process Name | 2023-2024 New Course |
| Current Step | University Course Committee |
| Originator | Gwynn Lemler |
| Created | 09/02/2022 11:59AM |
| Launched | 09/02/2022 12:20PM |
| Form |  |
| General Catalog Information |  |
| Catalog Owner  | Department of Languages - Modern and Classical |
| Approving Department/College | Department of Languages - Modern and Classical |
| Subject | SPAN |
| Number | 3095 |
| New Subject |  |
| New Course Type |  |
| Course Type | Spanish |
| Choose the Curriculum Committee: | A&S Curriculum Committee |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Course Title | Introduction to Spanish Translation |
| Course Title (Short) | Introduction Span Translation |
| Course Description | 1. SPAN 3095 will guide students in a practical, introductory investigation of the field of written translation and the complex work of the translator. In this course, students will translate both Spanish to English and English to Spanish, will critically analyze common grammatical, lexical and cultural challenges faced by translators, and will work towards resolving these through group discussion, as well as individual research and weekly translation assignments. Students will not only translate a broad variety of assigned texts but will also critically examine and explain their own translation processes by writing a detailed assessment and defense of lexical, syntactic and grammatical choices and research strategies for each assignment. During the second half of the semester, students will also begin to identify fundamental issues specific to various translation domains (medical, legal, etc.), develop essential skills for researching terminology, and translate introductory texts from those areas. Throughout the semester, class discussions and assignments will also allow students to consider basic aspects of translation history and theory, but the bulk of coursework will focus on practicing “hands-on” aspects of translation. Though precedence will be given to Spanish, this class will be conducted in both English and Spanish, as needed, as the instructional materials and activities encompass both languages.
 |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute being requested | No |
| A&S College Core 2015 |  |
| Level Code | UG: 4999 Lower |
| Credit Hours |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit Hours: | 3 |
| Dual Listed |  |
| Cross Listed |  |
| Prerequisites  | SPAN 2040 |
| Enforce in Banner | Yes |
| Grade Mode A/F | L |
| Activity Type | Lecture |
| Rationale for New Course: | We have an Advanced Translation course (SPAN 4095), but we do not have an Introduction to Translation Course. |
| What extra material resources will be required? | None |
| What personnel resources will be required?  | Concepcio Domenech presently teaches the Advanced Translation Course and will add this course to her teaching rotation. |
| What is the impact on other courses? | More students will take the advanced translation course after they take the introduction course. The students will also be more prepared for the advanced translation course. |
| What courses does this course resemble or overlap in content or title? How does it differ? | This is a completely new course. It is similar to Advanced Translation (SPAN 4095), but in another level. |
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| **SPAN - 4200 - Introduction to Research** |
| Status | active |
| Hierarchy Entities | Department of Languages - Modern and Classical |
| Approval Process Name | 2023-2024 New Course |
| Current Step | University Course Committee |
| Originator | Gwynn Lemler |
| Created | 09/06/2022 11:26AM |
| Launched | 09/06/2022 11:36AM |
| Form |  |
| General Catalog Information |  |
| Catalog Owner  | Department of Languages - Modern and Classical |
| Approving Department/College | Department of Languages - Modern and Classical |
| Subject | SPAN |
| Number | 4200 |
| New Subject | SPAN |
| New Course Type | 4200 |
| Course Type | Spanish |
| Choose the Curriculum Committee: | A&S Curriculum Committee |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Course Title | Introduction to Research |
| Course Title (Short) | Intro to Research |
| Course Description | We will model the steps required to carry a successful research project in linguistics or other Spanish-related topic, emphasizing the different skills needed for each of the steps: from choosing a topic and doing bibliographic search and management, we will move into question formation and literature reviewing to frame the question. Then we will move onto data sources, sampling, and data analysis so students are able to formulate a research plan reflected in the writing of a grant proposal. In addition, students will observe oral academic presentations and reflect upon how to make one, and then present themselves their final project to the rest of the class in a department open-doors event. |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute being requested | No |
| A&S College Core 2015 |  |
| Level Code | UG: 0000-4999 |
| Credit Hours |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit Hours: | 3 |
| Dual Listed | SPAN 5200 |
| Cross Listed |  |
| Prerequisites  | 6 credit hours of upper division courses or Graduate standing. |
| Enforce in Banner | Yes |
| Grade Mode A/F | L |
| Activity Type | Lecture |
| Rationale for New Course: | This course is a mandatory course for the Spanish M.A. program, so every graduate student in our program must take it. However, graduate students are encouraged to only take 5000 level credits. This change will ensure they can take 5000 credits while also taking this required class. At the same time, this course is our COM3 in Spanish, so keeping the 4000 level and the COM3 allow our undergraduate students in Spanish to take a COM3 class within the Spanish degree. |
| What extra material resources will be required? | no extra materials. |
| What personnel resources will be required?  | Course will be taught by same instructor as SPAN 4200 as the course is dual listed--Irene Checa-Garcia. |
| What is the impact on other courses? | SPAN 4200 may see a decreased enrollment as graduate students in the Spanish M.A. program take the SPAN 5200 section instead. |
| What courses does this course resemble or overlap in content or title? How does it differ? | Dual listed with SPAN 4200: Introduction to Research. Expectation is that graduate-level course will include more requirements for grade. |

**SPAN - 5200 - Introduction to Research** |
| Status | active |
| Hierarchy Entities | Department of Languages - Modern and Classical |
| Approval Process Name | 2023-2024 New Course |
| Current Step | University Course Committee |
| Originator | Gwynn Lemler |
| Created | 09/06/2022 11:26AM |
| Launched | 09/06/2022 11:36AM |
| Form |  |
| General Catalog Information |  |
| Catalog Owner  | Department of Languages - Modern and Classical |
| Approving Department/College | Department of Languages - Modern and Classical |
| Subject | SPAN |
| Number | 5200 |
| New Subject | SPAN |
| New Course Type | 5200 |
| Course Type | Spanish |
| Choose the Curriculum Committee: | A&S Curriculum Committee |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Course Title | Introduction to Research |
| Course Title (Short) | Intro to Research |
| Course Description | We will model the steps required to carry a successful research project in linguistics or other Spanish-related topic, emphasizing the different skills needed for each of the steps: from choosing a topic and doing bibliographic search and management, we will move into question formation and literature reviewing to frame the question. Then we will move onto data sources, sampling, and data analysis so students are able to formulate a research plan reflected in the writing of a grant proposal. In addition, students will observe oral academic presentations and reflect upon how to make one, and then present themselves their final project to the rest of the class in a department open-doors event. |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute being requested | No |
| A&S College Core 2015 |  |
| Level Code | GR: 5000-5999 |
| Credit Hours |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit Hours: | 3 |
| Dual Listed | SPAN 4200 |
| Cross Listed |  |
| Prerequisites  | 6 credit hours of upper division courses or Graduate standing. |
| Enforce in Banner | Yes |
| Grade Mode A/F | L |
| Activity Type | Lecture |
| Rationale for New Course: | This course is a mandatory course for the Spanish M.A. program, so every graduate student in our program must take it. However, graduate students are encouraged to only take 5000 level credits. This change will ensure they can take 5000 credits while also taking this required class. At the same time, this course is our COM3 in Spanish, so keeping the 4000 level and the COM3 allow our undergraduate students in Spanish to take a COM3 class within the Spanish degree. |
| What extra material resources will be required? | no extra materials. |
| What personnel resources will be required?  | Course will be taught by same instructor as SPAN 4200 as the course is dual listed--Irene Checa-Garcia. |
| What is the impact on other courses? | SPAN 4200 may see a decreased enrollment as graduate students in the Spanish M.A. program take the SPAN 5200 section instead. |
| What courses does this course resemble or overlap in content or title? How does it differ? | Dual listed with SPAN 4200: Introduction to Research. Expectation is that graduate-level course will include more requirements for grade. |
| Additional Notes not Covered on this Form: |  |
| Attachments and Acknowledgments |  |
| Confirm | I do hereby confirm that all required documentation has been attached to the proposal as required. |
| Acknowledgement | I acknowledge that all areas of this proposal have been completed as required for the purpose of this request. |
| Catalog Manager |  |
| Acalog Status | Active-Visible |

**SPAN 4095**

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| Status | active |
| Hierarchy Entities | Department of Languages - Modern and Classical |
| Approval Process Name | 2023-2024 New Course |
| Current Step | University Course Committee |
| Originator | Gwynn Lemler |
| Created | 09/06/2022 11:52AM |
| Launched | 09/07/2022 10:49AM |
| Form |  |
| General Catalog Information |  |
| Catalog Owner  | Department of Languages - Modern and Classical |
| Approving Department/College | Department of Languages - Modern and Classical |
| Subject | SPAN |
| Number | 4095 |
| New Subject | SPAN |
| New Course Type | 4095 |
| Course Type | Spanish |
| Choose the Curriculum Committee: | A&S Curriculum Committee |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Course Title | Advanced Translation |
| Course Title (Short) | Advanced Translation |
| Course Description | The course will examine the field of translation and the arduous task of the translator. Students will translate from English to Spanish and, less frequently, from Spanish to English; they will examine the grammatical, lexical and cultural difficulties faced by the translator; and, they will explain the translation processes. |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute being requested | No |
| A&S College Core 2015 |  |
| Level Code | UG 0000-4999 |
| Credit Hours |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit Hours: | 6 |
| Dual Listed | SPAN 5095 |
| Cross Listed |  |
| Prerequisites  | Graduate standing |
| Enforce in Banner | Yes |
| Grade Mode A/F | L |
| Activity Type | Lecture |
| Rationale for New Course: | We would like SPAN 4095 to dual list with SPAN 5095. This course is mainly taken by graduate students. For example: I am teaching the course now, during Fall 2022, and we have 10 students enrolled in the course. 8 of them are graduate students and 2 are undergraduate. In our M.A. in Spanish we ask the students to take 5000-level courses, but Advanced Translation is a popular course for graduate students although is a 4000-level course. We would like graduate students to take this course as a 5000-level course. |
| What extra material resources will be required? | no extra materials |
| What personnel resources will be required?  | Conxita Domenech for SPAN 4095 will teach SPAN 5095 as a dual-listed course. |
| What is the impact on other courses? | May reduce the enrollment for SPAN 4095, as mostly graduate students take the course now. |
| What courses does this course resemble or overlap in content or title? How does it differ? | SPAN 4095. Additional work required for graduate level. |

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| **SPAN - 5095 - Advanced Translation** |
| Status | active |
| Hierarchy Entities | Department of Languages - Modern and Classical |
| Approval Process Name | 2023-2024 New Course |
| Current Step | University Course Committee |
| Originator | Gwynn Lemler |
| Created | 09/06/2022 11:52AM |
| Launched | 09/07/2022 10:49AM |
| Form |  |
| General Catalog Information |  |
| Catalog Owner  | Department of Languages - Modern and Classical |
| Approving Department/College | Department of Languages - Modern and Classical |
| Subject | SPAN |
| Number | 5095 |
| New Subject | SPAN |
| New Course Type | 5095 |
| Course Type | Spanish |
| Choose the Curriculum Committee: | A&S Curriculum Committee |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Course Title | Advanced Translation |
| Course Title (Short) | Advanced Translation |
| Course Description | The course will examine the field of translation and the arduous task of the translator. Students will translate from English to Spanish and, less frequently, from Spanish to English; they will examine the grammatical, lexical and cultural difficulties faced by the translator; and, they will explain the translation processes. |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute being requested | No |
| A&S College Core 2015 |  |
| Level Code | GR: 5000-5999 |
| Credit Hours |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit Hours: | 6 |
| Dual Listed | SPAN 4095 |
| Cross Listed |  |
| Prerequisites  | Graduate standing |
| Enforce in Banner | Yes |
| Grade Mode A/F | L |
| Activity Type | Lecture |
| Rationale for New Course: | We would like SPAN 4095 to dual list with SPAN 5095. This course is mainly taken by graduate students. For example: I am teaching the course now, during Fall 2022, and we have 10 students enrolled in the course. 8 of them are graduate students and 2 are undergraduate. In our M.A. in Spanish we ask the students to take 5000-level courses, but Advanced Translation is a popular course for graduate students although is a 4000-level course. We would like graduate students to take this course as a 5000-level course. |
| What extra material resources will be required? | no extra materials |
| What personnel resources will be required?  | Conxita Domenech for SPAN 4095 will teach SPAN 5095 as a dual-listed course. |
| What is the impact on other courses? | May reduce the enrollment for SPAN 4095, as mostly graduate students take the course now. |
| What courses does this course resemble or overlap in content or title? How does it differ? | SPAN 4095. Additional work required for graduate level. |

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| **PSYC - 5540 - Diversity Issues in Psychology** |
| Status | active |
| Hierarchy Entities | Department of Psychology |
| Approval Process Name | 2023-2024 New Course |
| Current Step | University Course Review Committee |
| Originator | Cheryl Hamilton |
| Created | 10/03/2022 05:03PM |
| Launched | 10/03/2022 05:16PM |
| Form |  |
| General Catalog Information |  |
| Catalog Owner  | Department of Psychology |
| Approving Department/College | Department of Psychology (PSYC) |
| Subject | PSYC |
| Number | 5540 |
| New Subject | PSYC |
| New Course Type | Psychology |
| Course Type | Psychology |
| Choose the Curriculum Committee: | A&S Curriculum Committee |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Course Title | Diversity Issues in Psychology |
| Course Title (Short) | Diversity Issues in Psychology |
| Course Description | The purpose of this course is to examine diversity issues in psychology, including race/ethnicity, gender, sexual orientation, disability status, and intersecting identities. Students will examine methodological and applied approaches that are relevant to the research and practice of multicultural psychology |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute being requested | No |
| A&S College Core 2015 |  |
| Level Code | GR: 5000-5999 |
| Credit Hours | TO |
| Credit Hours Low: | 2 |
| Credit Hours High | 3 |
| Max Credit Hours: | 3 |
| Dual Listed |  |
| Cross Listed |  |
| Prerequisites  | graduate status in psychology |
| Enforce in Banner | Yes |
| Grade Mode A/F | L |
| Activity Type | Lecture |
| Rationale for New Course: | This course was previously offered as a seminar, PSYC 5550, Seminar in Clinical Psychology. It helps to fulfill the training needs of the APA accredited Clinical Psychology Doctoral Training program. The new course will be required for clinical students, who will take the full 3 credit hours. It will be optional for Psychology Doctoral students from other programs within our department, who will take 2 credit hours, excluding the clinical content at the end of the course. |
| What extra material resources will be required? | none |
| What personnel resources will be required?  | This course will be taught on-load by a Psychology faculty member |
| What is the impact on other courses? | none |
| What courses does this course resemble or overlap in content or title? How does it differ? | Although diversity issues are infused throughout the program, this is the only course where this topic is the primary focus of the class |

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|  |
| Status | active |
| Hierarchy Entities | Theater |
| Approval Process Name | 2023-2024 Course Modify |
| Current Step | University Course Review Committee |
| Originator | Margaret Wilson |
| Created | 10/03/2022 11:41PM |
| Launched | 10/03/2022 11:50PM |
| Form |  |
| General Catalog Information |  |
| Acalog Hierarchy Owner | Theater |
| Curriculog Approving Department/College | Theater (THEA) |
| Subject | THEA |
| Number | 1200 |
| Course Type | Theatre and Dance |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Old Course Title | Introduction to Design |
| New Course Title | Introduction to Design |
| New Course Title (Short) | Introduction to Design |
| Old Course Description  | Introduces and explores visual aesthetic principles as they relate to various aspects of stage design. Studio projects in scene, lighting, and costume design supplement lectures. Prerequisite for other design courses. |
| New Course Description | Introduces and explores visual aesthetic principles as they relate to various aspects of stage design. Studio projects in scene, lighting, and costume design supplement lectures. Prerequisite for other design courses. |
| Select Curriculum Committee College | Arts and Science Curriculum Committee |
| Current USP Attributes |  |
| USP Attribute being requested: | Yes |
| USP 2015 Code | H |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute requested | No |
| A&S College Core 2015 |  |
| Level Code | UG: 4999 Lower |
| Credit Hours Type |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit | 3 |
| Dual Listed | no |
| Cross Listed | no |
| Prerequisite | There are no prerequisites for this class. |
| Enforce in Banner? | Yes |
| Grade Mode A/F | L |
| Restricted | No |
| Activity Type | Lecture |
| Former Course Number | 1200 |
| Rationale for Course Change: | Add USP H designation |

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| **POLS/INST - 2215 - Politics of Europe (AT CCNS)** |
| Status | active |
| Hierarchy Entities | International Studies |
| Approval Process Name | 2023-2024 New Course |
| Current Step | University Course Review Committee |
| Originator | Christopher Weber |
| Created | 10/04/2022 02:10PM |
| Launched | 10/04/2022 02:18PM |
| Form |  |
| General Catalog Information |  |
| Catalog Owner  | School of Politics, Public Affairs, and International Studies |
| Approving Department/College | International Studies (INST) |
| Subject | INST |
| Number | 2215 |
| New Subject | INST |
| New Course Type |  |
| Course Type | International Studies |
| Choose the Curriculum Committee: | A&S Curriculum Committee |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Course Title | Politics of Europe |
| Course Title (Short) | Politics of Europe |
| Course Description | Compares formal and informal aspects of governments and politics in European countries and major current issues. Prerequisite: INST/POLS 1200 or INST/POLS 1250 or permission of instructor. |
| USP Attribute being requested: | Yes |
| USP 2015 Code | COM2 |
| USP 2003-2014 Code | WB |
| A&S College Curriculum attribute being requested | No |
| A&S College Core 2015 |  |
| Level Code | UG: 4999 Lower |
| Credit Hours |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit Hours: | 3 |
| Dual Listed |  |
| Cross Listed | POLS 2215 |
| Prerequisites  | INST/POLS 1200 or INST/POLS 1250 or permission of instructor |
| Enforce in Banner | No |
| Grade Mode A/F | L |
| Activity Type | Lecture |
| Rationale for New Course: | We already have a UD version in POLS and would like to crosslist it with an INST companion. Moreover, this class is a required gateway course for the INST regional major (Europe). |
| What extra material resources will be required? | None. |
| What personnel resources will be required?  | Same as POLS |
| What is the impact on other courses? | New crosslisting of previously existing course (POLS 2200). |
| What courses does this course resemble or overlap in content or title? How does it differ? | New crosslisting of previously existing course (POLS 2200). |

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| **GWST - 4610 - Gender, Race & Rural Spaces** |
| Status | active |
| Hierarchy Entities | Gender and Women's Studies |
| Approval Process Name | 2023-2024 New Course |
| Current Step | University Course Review Committee |
| Originator | Michelle Jarman |
| Created | 09/28/2022 06:51PM |
| Launched | 09/28/2022 06:59PM |
| Form |  |
| General Catalog Information |  |
| Catalog Owner  | Gender and Women's Studies |
| Approving Department/College | Gender and Women's Studies (GWST) |
| Subject | GWST |
| Number | 4610 |
| New Subject |  |
| New Course Type |  |
| Course Type | Gender and Women's Studies |
| Choose the Curriculum Committee: | A&S Curriculum Committee |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Course Title | Gender, Race & Rural Spaces |
| Course Title (Short) | Gender, Race & Rural Spaces |
| Course Description | This course examines how race, gender, class, and politics operate in specific and contextual ways in rural places. The course denaturalizes race and decouples ideas of rurality from Whiteness, emphasizing the perspectives and politics of groups often overlooked when discussing rural American life, including women, BIPOC people, and LGBTQ+ people. |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute being requested | No |
| A&S College Core 2015 |  |
| Level Code | UG: 4999 Lower |
| Credit Hours |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit Hours: | 3 |
| Dual Listed | GWST 5610 |
| Cross Listed |  |
| Prerequisites  | Junior standing  |
| Enforce in Banner | Yes |
| Grade Mode A/F | L |
| Activity Type | Lecture |
| Rationale for New Course: | This course has been offered successfully as a topics course for two years, so we would like to make it a permanent offering in GWST.  |
| What extra material resources will be required? | N/A |
| What personnel resources will be required?  | This course will be part of Samantha Vandermeade's regular teaching load.  |
| What is the impact on other courses? | No impact.  |
| What courses does this course resemble or overlap in content or title? How does it differ? | With the specific focus on rural spaces, this course contributes to GWST learning objectives, and provides an important elective choice at the undergrad and graduate level.  |

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| **GWST - 5610 - Gender, Race & Rural Spaces** |
| Status | active |
| Hierarchy Entities | Gender and Women's Studies |
| Approval Process Name | 2023-2024 New Course |
| Current Step | University Course Review Committee |
| Originator | Michelle Jarman |
| Created | 09/28/2022 07:00PM |
| Launched | 09/28/2022 07:05PM |
| Form |  |
| General Catalog Information |  |
| Catalog Owner  | Gender and Women's Studies |
| Approving Department/College | Gender and Women's Studies (GWST) |
| Subject | GWST |
| Number | 5610 |
| New Subject |  |
| New Course Type |  |
| Course Type | Gender and Women's Studies |
| Choose the Curriculum Committee: | A&S Curriculum Committee |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Course Title | Gender, Race & Rural Spaces |
| Course Title (Short) | Gender, Race & Rural Spaces |
| Course Description | This course examines how race, gender, class, and politics operate in specific and contextual ways in rural places. The course denaturalizes race and decouples ideas of rurality from Whiteness, emphasizing the perspectives and politics of groups often overlooked when discussing rural American life, including women, BIPOC people, and LGBTQ+ people. |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute being requested | No |
| A&S College Core 2015 |  |
| Level Code | GR: 5000-5999 |
| Credit Hours |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit Hours: | 3 |
| Dual Listed | GWST 4610 |
| Cross Listed |  |
| Prerequisites  |  |
| Enforce in Banner | No |
| Grade Mode A/F | L |
| Activity Type | Lecture |
| Rationale for New Course: | Dual list.  |
| What extra material resources will be required? | N/A |
| What personnel resources will be required?  | This will be taught on load by core GWST faculty.  |
| What is the impact on other courses? | no impact |
| What courses does this course resemble or overlap in content or title? How does it differ? | Unique course, and provides new graduate elective.  |

**College of Business (New Course)**

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| **BUSN - 5066 - Low Income Tax Clinic** |
| Status | active |
| Hierarchy Entities | Business |
| Approval Process Name | 2023-2024 New Course |
| Current Step | University Course Review Committee |
| Originator | Kourtney Faycosh |
| Created | 10/04/2022 05:45PM |
| Launched | 10/04/2022 05:56PM |
| Form |  |
| General Catalog Information |  |
| Catalog Owner  | Business BUSN |
| Approving Department/College | Business (BUSN) |
| Subject | BUSN |
| Number | 5066 |
| New Subject |  |
| New Course Type |  |
| Course Type | Business |
| Choose the Curriculum Committee: | Business Curriculum Committee  |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Course Title | Low Income Tax Clinic |
| Course Title (Short) | Low Income Tax Clinic |
| Course Description | The purpose of the Clinic is to assist low-income and ESL taxpayers in resolving their tax disputes with the IRS.  The Clinic gives students practical tax controversy experience by allowing them to handle cases before the IRS's Examination, Appeals, Collection, Office of Chief Counsel, and the United States Tax Court. |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute being requested | No |
| A&S College Core 2015 |  |
| Level Code | GR: 5000-5999 |
| Credit Hours |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit Hours: | 3 |
| Dual Listed |  |
| Cross Listed |  |
| Prerequisites  | Concurrent ACCT 3070, or FIN 5070, or equivalent. |
| Enforce in Banner | Yes |
| Grade Mode A/F | S |
| Activity Type | Lecture |
| Rationale for New Course: | LITC (Low Income Taxpayer Clinic) is the program partially sponsored by the IRS grant providing students with practical experience in serving the clients, as well as providing the community members with much needed help with their tax disputes.  Creating a class will allow for more structure, and allow students to earn credits while serving underrepresented community members. |
| What extra material resources will be required? | None |
| What personnel resources will be required?  | It will be a part of faculty's regular teaching load. |
| What is the impact on other courses? | None |
| What courses does this course resemble or overlap in content or title? How does it differ? | None |

**Haub School (New Courses)**

* ENR - 4570 - Climate Change Responses
* ENR - 5760 - Wildlife Law
* ENR - 5530 - DataViz in Environmental Science

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| **ENR - 4570 - Climate Change Responses** |
| Status | active |
| Hierarchy Entities | Environment and Natural Resources |
| Approval Process Name | 2023-2024 New Course |
| Current Step | University Course Review Committee |
| Originator | Steve Smutko |
| Created | 10/04/2022 06:26PM |
| Launched | 10/04/2022 06:43PM |
| Form |  |
| General Catalog Information |  |
| Catalog Owner  | Environment and Natural Resources |
| Approving Department/College | Environment and Natural Resources (ENR) |
| Subject | ENR |
| Number | 4570 |
| New Subject |  |
| New Course Type |  |
| Course Type | Environment and Natural Resources |
| Choose the Curriculum Committee: | Haub School Curriculum Committee |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Course Title | Climate Change Responses |
| Course Title (Short) | Climate Change Responses |
| Course Description | This course investigates climate change response, including mitigation (carbon emissions reductions), adaptation (strategies to ameliorate potential harm) and transformation (radical rethinking of society and social-ecological interactions). Climate change will significantly shift careers in environment & natural resources. This class will provide relevant and immediately applicable information, tools, and frameworks for understanding how to appropriately consider and integrate climate change into real-world applied contexts. Students will emerge capable of critically thinking and applying their knowledge of climate change in a variety of contexts and weighing potential management strategies and their potential outcomes. The topic of climate change response is inherently interdisciplinary, and this course will be taught in an interdisciplinary manner. I will invite guest speakers when needed to complement my expertise. |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute being requested | No |
| A&S College Core 2015 |  |
| Level Code | UG: 4999 Lower |
| Credit Hours |  |
| Credit Hours Low: | 3 |
| Credit Hours High | 3 |
| Max Credit Hours: | 3 |
| Dual Listed | ENR 5570 |
| Cross Listed |  |
| Prerequisites  |  |
| Enforce in Banner | No |
| Grade Mode A/F | L |
| Activity Type | Lecture |
| Rationale for New Course: | This course has now been offered for three years with high enrollment each time. It fills a current gap in the curriculum and provides an important skill set for graduates. |
| What extra material resources will be required? | None. |
| What personnel resources will be required?  | This course has been offered on-load as a topics course by Dr. Corrine Knapp. Dr. Knapp will continue to teach this course, which is reflected in her job description. |
| What is the impact on other courses? | This course focuses on climate change responses and fills an existing gap in the UW curriculum. It provides another upper-level course for ENRS and other students across campus as well. It also provides a regular elective for our ENRS graduate program. Prior enrollments in the course demonstrate student interest and desire for this topic. |
| What courses does this course resemble or overlap in content or title? How does it differ? | According to the UW course catalog, there are several courses that cover climate science, including ATSC 2100 & 5040, GEOG 3450, GEOL 3450, GEOL 3500. There are also several classes that look at impacts to ecology (BOT 4745/5745) and economics (ECON1000, 2400, 4400, 5410). The proposed class focuses on human responses, which are only briefly covered in the other courses currently offered. This course provides a complement to existing courses by offering a solutions-based focus on human response to climate change. |

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| **ENR - 5760 - Wildlife Law** |
| Status | active |
| Hierarchy Entities | Environment and Natural Resources |
| Approval Process Name | 2023-2024 New Course |
| Current Step | University Course Review Committee |
| Originator | Nicole Gautier |
| Created | 09/30/2022 03:14PM |
| Launched | 09/30/2022 03:41PM |
| Form |  |
| General Catalog Information |  |
| Catalog Owner  | Environment and Natural Resources |
| Approving Department/College | Environment and Natural Resources (ENR) |
| Subject | ENR |
| Number | 5760 |
| New Subject |  |
| New Course Type |  |
| Course Type | Environment and Natural Resources |
| Choose the Curriculum Committee: | Haub School Curriculum Committee |
| Effective Semester  | Spring |
| Effective Year | 2023 |
| Course Title | Wildlife Law |
| Course Title (Short) | Wildlife Law |
| Course Description | Wildlife law and policy is an exciting and emerging area of the law and involves some of the most challenging and controversial natural resources issues of our time. This course will cover global biodiversity, historical origins of wildlife law, state ownership and the public trust, capturing and owning, the North American Model of Wildlife Conservation, the constitutional context for wildlife law, wildlife on private lands, state wildlife management, tribal rights to wildlife, major federal wildlife statutes including the Endangered Species Act, and current topics in wildlife law and policy. The political context of wildlife management is also provided so that students can better understand the conflicts and tensions in the field. This is a seminar course, it is not lecture-based, students should be prepared to be actively engage in class discussions, make presentations, work independently and within groups. |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute being requested | No |
| A&S College Core 2015 |  |
| Level Code | GR: 5000-5999 |
| Credit Hours |  |
| Credit Hours Low: | 3 |
| Credit Hours High |  |
| Max Credit Hours: |  |
| Dual Listed | ENR 4760 |
| Cross Listed | LAW 6915 |
| Prerequisites  |  |
| Enforce in Banner | No |
| Grade Mode A/F | L |
| Activity Type | Lecture |
| Rationale for New Course: | Wildlife Law is of great interest to students across disciplines with interest in policy, human-wildlife conflict, wildlife rights and management, public lands and the implications of wildlife proctections in Wyoming and the region.  |
| What extra material resources will be required? | None. |
| What personnel resources will be required?  | Temple Stoillenger, JD, who has a joint appointment with Haub and the Law School, has historically taught this course and will continue to do so. |
| What is the impact on other courses? |  |
| What courses does this course resemble or overlap in content or title? How does it differ? | ENR 5750 Law and Policy is a survey course that mentions some wildlife law, but this course goes into depth and detail.  |

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| ENR - 5530 - DataViz in Environmental Science |
| Status | active |
| Hierarchy Entities | Environment and Natural Resources |
| Approval Process Name | 2023-2024 New Course |
| Current Step | Department Head/Approver |
| Originator | Steve Smutko |
| Created | 10/04/2022 03:01PM |
| Launched | 10/04/2022 05:55PM |
| Form |  |
| General Catalog Information |  |
| Catalog Owner  | Environment and Natural Resources |
| Approving Department/College | Environment and Natural Resources (ENR) |
| Subject | ENR |
| Number | 5530 |
| New Subject | None |
| New Course Type | None |
| Course Type | Environment and Natural Resources |
| Choose the Curriculum Committee: | Haub School Curriculum Committee |
| Effective Semester  | Fall |
| Effective Year | 2023 |
| Course Title | DataViz in Environmental Science |
| Course Title (Short) | DataViz in Env Sci |
| Course Description | The aim of this course is to grapple with effective visualizations of differing data structures and analyses to efficiently communicate scientific findings.  We will be working in R and primarily leveraging the ‘ggplot2’ package as we progress through different data structures and visualizations.  The aim of this course is to help graduate students generate effective visualizations for their work and peer-reviewed manuscripts.  As such, to maximize the utility of this course, students should have data in-hand or clearly understand the data structures and analyses they will be working with for their thesis or dissertation work.  We will use these data structures as motivating examples. |
| USP Attribute being requested: | No |
| USP 2015 Code |  |
| USP 2003-2014 Code |  |
| A&S College Curriculum attribute being requested | No |
| A&S College Core 2015 |  |
| Level Code | GR: 5000-5999 |
| Credit Hours |  |
| Credit Hours Low: | 2 |
| Credit Hours High | 2 |
| Max Credit Hours: | 2 |
| Dual Listed | No |
| Cross Listed | No |
| Prerequisites  | Graduate standing |
| Enforce in Banner | Yes |
| Grade Mode A/F | L |
| Activity Type | Lecture |
| Rationale for New Course: | This course serves the new graduate students in our Masters of Environment, Natural Resources, and Society within the Haub School of Environment and Natural Resources. It is the only graduate level data visualization course I am aware of that strictly focuses on data visualization.  The instructor taught this course in Spring of 2020, and is teaching it again this Fall 2022.  In both offerings, the course has exceeded seating limits reflecting the demand for a course such as this. |
| What extra material resources will be required? | None |
| What personnel resources will be required?  | The instructor for this course is Dr. Joseph Holbrook and has been taught as a topics course.  This is an on-load course for him and is reflected in his position description.   |
| What is the impact on other courses? | There are no existing courses that focus on data visualization. |
| What courses does this course resemble or overlap in content or title? How does it differ? | While there are plenty of data analysis courses taught at UW, only a few of those include data visualization in their titles or course descriptions.Courses that include the term "data visualization" in their description include:GIST2200  - Spatial Data VisualizationCOSC1015 - Introduction to Programming for Data ScienceESS4001 - Analysis of Nature’s DataATSC5014  - Dynamic MeteorologyEach course is specific to its discipline and visualization techniques differ.  ESS 4001 is the only course that deals with environnmental data visualization techniques, that this aspect of the course is only one of many topics that is covered here. The entire focus of this proposed new course is tools and techniques for data visualization in environmental science  |

BUSN 5066- (Rejected-Going back to Nicole Choi)

**Haub School**

* ENR - 4570 - Climate Change Responses; Rejected-course description too long and/or course name too long
* ENR - 5760 - Wildlife Law; Rejected-course description too long and/or course name too long
* ENR - 5530 - DataViz in Environmental Science Rejected-course description too long and/or course name too long

**No College Curriculum Committee**

GIST 4450/5540 - UAS Data Acquisition and Processing (Approved)