

Course Number	College	Program	Course Name	Credits
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15 New Course
Proposals

EET 4600	EN	ENGT	Industrial Robotics	0 to 4
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EET 4650	EN	ENGT	Industrial Robotics Vision	0 to 4
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MIME 4380	EN	MIME	Engineering Polymers and Rubbers	3
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MIME 4390	EN	MIME	Failure Analysis of Materials	3
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MIME 4370	EN	MIME	Advanced Materials for Automotive Structures	3
MIME 4350	EN	MIME	Advanced Ceramics	3
PHM 3000	PH	PHPR	Integrated Pharmaceutical and Clinical Sciences 1	6
PHM 4000	PH	PHPR	Integrated Pharmaceutical and Clinical Sciences 2	8
PHM 4200	PH	PHPR	Integrated Pharmaceutical and Clinical Sciences 3	8
LALX 2000	AR	ASIP	Introduction to Latin American and Latinx Studies	3
REL 4010	AR	PHIL	Islamic Law and Society	3

EDP 4240	CE	EDS	Classroom Engagement and Behavioral Supports	3
INDI 1000	MD	PPMC	Biomedical Research	3
BUAD 2940	BU	MGMT	Entry Level Internship in Business Administration	3
BUAD 4940	BU	MGMT	Internship in Business Administration	3

22 Course Modifications

GNEN 1000	EN	MIME	Introduction to Engineering	3
EECS 1000	EN	EECS	EECS First Year Design	0 to 3
EECS 1510	EN	EECS	Introduction to Object Oriented Programming	0 to 3
EECS 2500	EN	EECS	Linear Data Structures	3
EECS 2510	EN	EECS	Non-Linear Data Structures	3

BIOE 5650	EN	BIOE	Bioseparations	3
EECS 2520	EN	EECS	Discrete Structures	3
EECS 4790	EN	EECS	Network Security	4
EECS 4770	EN	EECS	Computer Hacking and Forensic Analysis	3
BIOE 1410	EN	BIOE	Freshman Design Innovation I	1
BIOE 1420	EN	BIOE	Freshman Design Innovation II	1
BIOE 3500	EN	BIOE	Bioprocessing Laboratory	0 to 3
BUAD 2070	BU	IOTM	Business Analytics	3
PHPR 4540	PH	PHPR	Evidence Based Pharmacy Practice II	2
CRIM 4490	HH	SSJ	Current Topics- Criminology	3
SOCW 4220	HH	SSJ	Social Work Field Experience II	5
SOCW4120	HH	SSJ	Social Work Practice II	3
HEAL 2940	HH	SPH	Practicum in Community Health	1
HEAL 4940	HH	SPH	Senior Field Experience	1 to 9

COMM 4090	AR	COMM	Mass Communication Ethics	3
COMM 4250	AR	COMM	Mass Communication History	3
PSY 4000	AR	PSY	History of Psychology	3

Contact Name	Prior Approvals Done?
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William Evans	Yes
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Ahalapitiya Jayatissa	Yes
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Marian Churchwell Yes

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Charles Beatty Yes

Ovimir Anjum Yes

Edward Janek Yes

Anita Easterly Yes

Dale Dwyer Yes

Dale Dwyer Yes



Bryan Bosch Yes

Richard Molyet Yes

Lawrence Thomas Yes

Lawrence Thomas Yes

Lawrence Thomas yes

Arun Nadarajah Yes

Lawrence Thomas Yes

Weiqing Sun Yes

Ahmad Javaid Yes

Eda Yildirim-Ayan Yes

Eda Yildirim-Ayan Yes

Eda Yildirim-Ayan Yes

Jennifer Tharpe Yes

Mariann Churchwell Yes

Wendi Goodlin-
Fahncke Yes

Sherry Tripepi Yes

Sherry Tripepi Yes

Joseph Drake Yes

Joseph Drake Yes

Karon Price Yes

Karon Price Yes

Sarah Francis Yes

New Course Description or Course Modifications

The course includes theoretical background on a robotic system, safety, types of robots, mechanics and control, electronic system components, hardware and software. Hands-on experience programming and manipulating the industrial robot in step-by-step and production modes. Advanced techniques of robot teach pendant programming presented in the course will allow students to develop complex scenarios of robot integration in an industrial environment.

This is an engineering technology course to teach students how to use industrial robots outfitted with vision systems which are used in many industrial applications. Hands-on experience programming and manipulating the industrial robot in step-by-step and production modes. Advanced techniques of robot teach pendant programming presented in the course will allow students to develop complex scenarios of robot integration in an industrial environment.

Topics covered in this course will enhance student's understanding of industrial machine vision system widely used in industry to improve the automation processes.

Polymers and rubber are introduced through lecture and lab components at three levels- 1) synthesis and characterization, 2) thermal, molecular and mechanical properties, and 3) design considerations for engineering applications.

The failure analysis is a procedure to determine the physical cause of the failure of an element, component or industrial equipment. The course will be focused on material related and will present an introduction to the principles of failure analysis and the fundamental aspects to conduct a failure analysis investigation. A key component of the course is the discussion of real cases of failures (case studies), i.e. failures in mining machinery, chemical processing equipment, energy production, systems, aircraft and petrochemical industry components. This course provides the connection between mechanisms that are responsible for material failures and will address the characterization techniques used in failure analysis. Fundamental failure mechanisms in various materials applications including fracture of metals and alloys, failure in electronic devices, and environmental factor induced failures will be covered. Each categorized phenomenon will be approached by historical events to reveal the application and connection between the mechanism and the incidents.

An in-depth study of the broad range of engineering materials used in the construction of motor vehicles. Inter-relations between materials microstructure, components manufacturing process and components service behavior

This course provides greater knowledge on the atomic bonding, crystal structure, crystal imperfections, phases and interfaces, microstructures, phase diagrams, phase transformation, transport and diffusion, metal deformation, fracture of materials, deterioration of materials, electronic and physical properties of ceramics.

An integrated course that includes Pharmacology, Medicinal and Physiological Chemistry, Pharmacokinetics and Pharmacy Practice, to study etiology, pathophysiology, clinical presentation, diagnosis and treatments. The course focuses on clinical laboratory tests and monitoring, hypertension, hyperlipidemia, diabetes and endocrine related disorders.

An integrated course that includes Pharmacology, Medicinal and Physiological Chemistry, Pharmacokinetics and Pharmacy Practice, to study etiology, pathophysiology, clinical presentation, diagnosis, and treatment of immunologic disorders, pharmacokinetic considerations and infectious diseases.

An integrated course that includes Pharmacology, Medicinal and Physiological Chemistry, Pharmacokinetics and Pharmacy Practice, to study etiology, pathophysiology, clinical presentation, diagnosis, and treatment of pulmonary hematologic, psychiatric, neurologic and pain and substance abuse disorders.

Examines the history and cultural experience of Latin Americans and people of Latin American descent living in the United States.

This course will survey Islamic law in historical and comparative modern contexts. This course will provide (a) basic introduction to the sources and methods of classical Islamic legal interpretation, (b) survey of the most pressing areas in which traditional Islamic norms remain relevant today—criminal law, family law, and commercial law, (c) the challenges and transformations introduced by colonialism, modernity, and the nation-state, and (d) comparison with the American law and the constitution, highlighting comparative interpretive methods such as originalism versus progressivism, and innovative dimensions of Islamic law such as legal pluralism, wide room for local custom, religious diversity, and restorative justice.

The course builds teacher candidate's knowledge of social and emotional development and needs from birth to age 11. Teacher candidates develop skills to develop support positive classroom dynamics, prosocial behaviors and classroom management. The course addresses theory and practical application of current behavioral support approaches as well as the evolution of the field across time. Special attention will be paid to current best practice as it applies to the primary classroom.

This course provides high school students the opportunity to build laboratory research and critical analysis skills in a hands-on setting while also conducting an original biomedical research. Students will report to a primary research faculty for identifying a research project and obtain direction for the conduct of projects as assigned by the primary research faculty.

Students who have not decided on a specific major or who are not yet of junior standing may elect to take an internship for credit and use it as a business elective. This will not substitute for any required business course and does not prohibit juniors and seniors from taking an internship in their declared major.

Students who have not decided on a specific major or who wish to complete an additional internship for credit may use this course as a business elective. This will not substitute for any required business course and does not prohibit students from taking an internship in their declared major.

Change in letter grading (to Grade/No Credit). New restriction: PERMIT necessary as this is a course tied to the GEARSET NSF-SSTEM Grant and only students within the dedicated qualifications determined by the co-PI and Sr. Personnel are eligible for this course at this time. *(NOTE: Rationale for changes is included at length in proposal)*

Course name change: Introduction to Electrical Engineering. Change to credit hours: 3 lecture hours. Eliminating recitation status. Change to course description. Change to CIP code. *(NOTE: The topics covered in this modified version of the original course better reflect subject matter that is germane to the field of modern electrical engineering.)*

Change to credit hours: 4 lecture hours. Eliminating recitation status. New prereq: EECS 1010. Change to CIP Code. *(NOTE: Rationale for changes included on course proposal).*

Change to credit hours: 4 lecture hours. Eliminating recitation status. New prereq: EECS 1510. Change to CIP Code. *(NOTE: Rationale for changes included on course proposal).*

Change to credit hours: 4 lecture hours. Eliminating recitation status. Modified prereq: change from minimum grade of D- to C-. Change to catalog description. Change to CIP code. *(NOTE: Rationale for changes included on course proposal).*

Request to cross-list with CHEE 4410 and CHEE 5410. Change to catalog description. Modified prereqs: Removal of BIOE 3500; addition of BIOE 3400 OR CHEE 3120.

Change to prereqs: minimum grade of C- for EECS 1510. (*NOTE: CSE Faculty voted to raise the minimum grade for prerequisites of 2500, 2510, and 2520 from D- to C-*)

Request to cross-list with EECS 5790. Change in credit hours (all four hours now lecture). Modified prereqs: addition of EECS 5790. (*NOTE: Differentiated SLOs for undergraduate level and graduate level have been specified in both CIM and the syllabus.*)

We also need to co-list this course with EECS 5790.)

Course name change: Forensic for forensic. Request to cross list with EECS 5570.

Change to long title. Change to course description. Change to prereqs: addition of EECS 4720 OR EECS 5720.

Change in credit hours (from lab to other). Change to recitation. (*NOTE: The students need structured meeting times outside of the class to discuss their projects with faculty.*)

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Prereq change: removal of BIOE 2100 (*NOTE: The course does not require the principles taught in BIOE 2100 Thermodynamics anymore.*)

Change to prereqs: addition of MATH 1850 as option.

Course name change: Evidence Based Medicine 2. Change to CIP Code

Deleting Field Experience from Schedule Type. Change to catalog description.

New Restriction: Instructor Permission. Course not repeatable for credit. (*NOTE: Students are assigned to sections to allow for a diverse mix of internship placements in each section therefore instructor permission is needed to register for the appropriate section.*)

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Change to credit hours (2 Field Experience hours). (*NOTE: The change is to create better consistency with the field experience hours and credit hours. Rather than variable credits and number of hour being inconsistent with the credit hours. We have changed to each credit hour reflecting 50 hours of field experience for the semester.*)

Change to credit hours (6 Field Experience hours). New Prereq: Minimum GPA of 2.7; Admission to Professional Division of Program. (*NOTE: The change is to create better consistency with the field experience hours and credit hours. Rather than variable credits and number of hour being inconsistent with the credit hours. We have changed to each credit hour reflecting 50 hours of field experience for the semester.*)

Change from lecture hours to seminar hours. Request for WAC eligibility.

Change from lecture hours to seminar hours. Request for WAC eligibility.

Course number change (PSY 3000 previously). Request to cross list with PSY 5000.

Change to CIP Code (*NOTE: Please note that this modification proposal seeks to change the existing PSY 3000 to PSY 4000 and offer it as an upper level undergraduate elective course, co-listed with a course at the masters level (PSY 5000). As indicated in the attached syllabus, we have created separate learning outcomes for undergraduates and graduates.)*

Additional Information

This course will be part of the new Materials Science and Engineering Certificate. The new program proposal for this Certificate program is being submitted concurrently with this new course proposal. MIME faculty voted and approved this certificate on 2/26/2020.

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This course will be part of the new Materials Science and Engineering Certificate. The new program proposal for this certificate is being submitted concurrently with this new course proposal. MIME faculty voted and approved this certificate on 2/26/2020. Due to current increased student enrollment in MIME department this course will be very beneficial for MIME graduates finding jobs in automotive industries in the Midwest region and US.

This course will be part of the new Materials Science and Engineering Certificate. The new program proposal for this Certificate program is being submitted concurrently with this new course proposal. MIME faculty voted and approved this certificate on 2/26/2020. This course is also very beneficial for graduate students because ceramics have been used in many engineering applications.

Difference of outcome and grading criteria of section 4350 and 5350 are clearly listed in syllabus.

Course content or delivery was not changed. Courses taught separately were sequenced into one course to assure student financial aid disbursement.

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Latin Americans and their descendants represent an important component of the student body. In addition, students take study abroad or embark on careers in Latin America.

Will be cross listed with LST 4010, PHIL 4010, and PHIL 5010

The State of Ohio updated their requirements for teacher licensure to include social and emotional development. This course will satisfy that state requirement.



NOTE TO COMMITTEE: We have previously reviewed and accepted this course to move forward after an updated syllabus was provided. The new syllabus is now attached to the proposal.