

Mississippi State University

Spring 2023

Course List

ASE 6133	Automatic Control	Tues / Thurs	03:30pm - 04:45pm
ASE 6153	Advanced Performance	Mon / Wed / Fri	12:00pm - 12:50pm
ASE 6423	Int Comput Fluid Dyn	Mon / Wed / Fri	09:00am - 09:50am
ASE 6813	Adv Orbital Mechanics	Tues / Thurs	12:30pm - 01:45pm
ASE 8353	Turbulent Flow	Mon / Wed / Fri	08:00am - 08:50am
ASE 8423	Comput Fluid Dyn II	Tues / Thurs	03:30pm - 04:45pm
CE 6433	Foundations	Tues / Thurs	09:30am - 10:45am
CE 6513	Engr. Hydrology	Tues / Thurs	08:00am - 09:15am
CE 6863	Water & Waste Engr.	Mon / Wed	12:30pm - 01:45pm
CE 6993	Prestr Concr Structures	Mon / Wed / Fri	08:00am - 08:50am
CE 8463	Slopes & Embankments	Tues / Thurs	05:00pm - 06:15pm
CE 8563	Groundwater Res Eval	Tues / Thurs	11:00am - 12:15pm
CE 8683	Finite Element Analy	Mon / Wed / Fri	08:00am - 08:50am
CHE 6173	Polymer Science & Technology	Mon / Wed / Fri	12:00pm - 12:50pm
CHE 8011	Chem En Seminar	Fridays	03:00pm - 04:50pm
CHE 8123	Chem Kinetics Dyn	Tues / Thurs	02:00pm - 03:15pm
CHE 8523	Adv Tran Pheno	Tues / Thurs Tuesdays	03:30pm - 04:45pm 06:00pm - 08:50pm
CSE 6173	Cryptography	Tues / Thurs	11:00am - 12:15pm
CSE 6214	Intro to Software Eng	Tues / Thurs	12:30pm - 01:45pm
CSE 6363	Software Reverse Engineering	Tues / Thurs	03:30pm - 04:45pm
CSE 6383	Network Security	Mon / Wed / Fri	11:00am - 11:50am
CSE 6623	Computational Biology	Tues / Thurs	09:30pm - 10:45pm
CSE 6633	Artificial Intell	Mon / Wed	02:00pm - 03:15pm
CSE 6733	Operating Systems I	Tues / Thurs	03:30pm - 04:45pm
CSE 6833	Intro to Algorithms	Mon / Wed	12:30pm - 01:45pm
CSE 8011	Seminar	Mondays	10:00am - 10:50am
CSE 8413	Visualization	Mon / Wed	03:30pm - 04:45pm
CSE 8813	Theory of Computation	Mon / Wed	12:30pm - 01:45pm
CSE 8843	Seg/Parallel Alrthm	Mon / Wed	03:30pm - 04:45pm
ECE 6193	Automotive Engineering	Tues / Thurs	08:00am - 09:15am
ECE 6313	Antennas	Tues / Thurs	08:00am - 09:15am
ECE 6633	Pwer Distrib Systems	Tues / Thurs	11:00am - 12:15pm
ECE 6793	Literate Programming	Tues / Thurs Fridays	09:30am - 10:20am 12:00pm - 01:40pm
ECE 8633	Control of DER Systems	Mon / Wed	02:00pm - 03:15pm
ECE 8683	Power Sys Opt & Control	Tues / Thurs	12:30pm - 01:45pm
ECE 8803	Random Signals & Systems	Mon / Wed / Fri	11:00am - 11:50am

ECE 8833	Computational Intelligence	Tues / Thurs	03:30pm - 04:45pm
ECE 9100	Graduate Seminar	TBA	TBA
EM 6123	Intro Finite Element	Mon / Wed / Fri	11:00am - 11:50am
EM 6133	Composite Materials	Mon / Wed / Fri	01:00pm - 01:50pm
EM 8113	Theory Of Cont Media	Mon / Wed / Fri	10:00am - 10:50am
GE 8003	MENG Capstone	TBA	TBA
IE 6113	Human Factors Eng	TBA	TBA
IE 6533	Project Mgt	TBA	TBA
IE 6543	Logistics Engineering	TBA	TBA
IE 6613	Eng Statistics I	TBA	TBA
IE 6623	Eng Statistics II	TBA	TBA
IE 6733	Linear Programming I	TBA	TBA
IE 6773	Sys Simulation I	TBA	TBA
IE 6933	Information System in IE	TBA	TBA
IE 6990	Special Topic In IE	TBA	TBA
IE 6990	Special Topic In IE	TBA	TBA
IE 8333	Prod Control Sys II	TBA	TBA
IE 8733	Decision Theory	TBA	TBA
IE 8990	Special Topic In IE	TBA	TBA
ME 6193	Automotive Engineering	Tues / Thurs	08:00am - 09:15am
ME 6233	Fundamentals of FEA	Mon / Wed	12:30pm - 01:45pm
ME 6353	Alt Energy Sources	Mon / Wed / Fri	10:00am - 10:50am
ME 6393	Power Generation Systems	Mon / Wed / Fri	11:00am - 11:50am
ME 6833	Intermed Fluid Mech	Tues / Thurs	12:30pm - 01:45pm
ME 8253	Fatigue in Engin Design	Tues / Thurs	11:00am - 12:15pm
ME 8513	Classical Thermo	Mon / Wed / Fri	08:00am - 08:50am

Course Descriptions

ASE 6133	Automatic Control	Tues / Thurs	03:30pm - 04:45pm
	Instructor: Yang Cheng		
	(Section 501) (Prerequisite: ASE 4123). Three hours lecture. Optimization techniques; structural flexibility effects; statistical design; sample-data control systems.		
ASE 6153	Advanced Performance	Mon / Wed / Fri	12:00pm - 12:50pm
	Instructor: Calvin Walker		
	(Section 501) (Prerequisite: ASE 2113 or consent of instructor). Three hours lecture. Performance methods use for current aeronautical vehicles. Configurations considered are sailplanes, V/STOL aircraft, subsonic/supersonic transports, and fighters.		

ASE 6423	Int Comput Fluid Dyn Instructor: Eric Collins (Section 501) (Prerequisite: Consent of instructor). Three hours lecture. Elementary aspects of computational fluid dynamics (CFD); review of numerical analysis and fluid mechanics as pertinent to CFD; numerical solution to selected fluid dynamic problems.	Mon / Wed / Fri	09:00am - 09:50am
ASE 6813	Adv Orbital Mechanics Instructor: Yang Cheng (Section 501) (Prerequisite: ASE 3813). Three hours lecture. Orbital mechanics; perturbations and numerical integration. Global positioning system, launch performance and optimization.	Tues / Thurs	12:30pm - 01:45pm
ASE 8353	Turbulent Flow Instructor: Adrian Sescu (Section 501) (Prerequisite: ASE 8343). Three hours lecture. Origins of turbulence; stability statistical theory of turbulence; isotropic and non-isotropic turbulence; equations of turbulent flow; turbulent boundary layer; free turbulent flow.	Mon / Wed / Fri	08:00am – 08:50am
ASE 8423	Comput Fluid Dyn II Instructor: Staff (Section 501) (Prerequisite: ASE 8413 or equivalent). Three hours lecture. Compressible Viscous Methods; Navier-Stokes equation methods; turbulence models; incompressible methods; panel methods; finite element methods, current literature.	Tues / Thurs	3:30pm - 04:45pm
CE 6433	Foundations Instructor: Farshid Vahedifard (Section 501) (Prerequisite: Grade of C or better in CE 3413; or consent of major advisor). Three hours lecture. Introduction to exploration and engineering evaluation of subsoil and groundwater conditions for selection and design of foundations for structures and earth masses.	Tues / Thurs	09:30am - 10:45am
CE 6513	Engr. Hydrology Instructor: John Ramirez Avila (Section 501) (Prerequisite: grade of C or better in CE 3503; or consent of major advisor). Three hours lecture. Hydrologic processes; rainfall-runoff analysis; groundwater flow; frequency analysis; hydrologic design.	Tues / Thurs	08:00am - 09:15am
CE 6863	Water & Waste Engr. Instructor: Staff (Section 501) (Prerequisite: CE 3823 with grade of C or better; or consent of major advisor). Three hour lecture. Evaluation of municipal water and wastewater characteristics and flows; application of various unit processes/unit operations for the treatment of municipal water and wastewater.	Mon / Wed	12:30pm - 01:45pm

CE 6993	Prestr Concr Structures	Mon / Wed / Fri	08:00am - 08:50am
	Instructor: Staff		
	(Section 501) (Prerequisite: Grade of C or better in CE 4973; or consent of major advisor). Three hours lecture. Loads on structures. Analysis and design of prestressed concrete structures using ACI specifications. Focus on beams.		
CE 8463	Slopes & Embankments	Tues / Thurs	05:00pm - 06:15pm
	Instructor: Staff		
	(Section 501) (Prerequisite: Consent of Major Advisor). Analysis and design of geotechnical systems placed on an angle from the horizontal.		
CE 8563	Groundwater Res Eval	Tues / Thurs	11:00am - 12:15pm
	Instructor: John Ramirez Avila		
	(Section 501) (Prerequisite: Consent of Major Advisor). Three hours lecture. Groundwater movement; Darcy's law; equations of groundwater flow; confined and unconfined flow; wells and well field analysis; groundwater quality; aquifer management.		
CE 8683	Finite Element Analy	Mon / Wed / Fri	08:00am - 08:50am
	Instructor: Staff		
	(Section 501) (Prerequisite: Consent of Major Advisor). Three hours lecture. Energy and elasticity principles. Development of planar three-dimensional and curved elements. Applications to plates and shells. Use of computer programs.		
CHE 6173	Polymer Science & Technology	Mon / Wed / Fri	12:00pm - 12:50pm
	Instructor: Julie Jessop		
	(Section 501) (Prerequisite: C or better in CH 4513 and MA 1723). Three hours lecture. Introduction to societally important polymeric materials and issues with a broad exposure to topics in polymer chemistry, properties, and processing.		
CHE 8011	Chem En Seminar	Fridays	03:00pm - 04:50pm
	Instructor: Billy Elmore		
	(Section 501) (Prerequisite: Graduate standing). Library assignments and reports on the current chemical engineering literature.		
CHE 8123	Chem Kinetics Dyn	Tues / Thurs	02:00pm - 03:15pm
	Instructor: Hossein Toghiani		
	(Section 501) (Prerequisite: consent of instructor). Three hours lecture. Theory and interrelations of phenomemological chemical kinetics and molecular reaction dynamics.		
CHE 8523	Adv Tran Pheno	Tues / Thurs Tuesdays	03:30pm - 04:45pm 06:00pm - 08:50pm
	Instructor: Santanu Kundu		
	(Section 501) Three hours lecture. (Prerequisite: Graduate standing). Fundamental principles in momentum, heat, and mass transport. Conservation equations. Continuity, motion, energy equations, and multicomponent mass equation of change.		

CSE 6173	Cryptography	Tues / Thurs	11:00am - 12:15pm
	Instructor: Mahalingam Ramkumar		
	(Section 501) (Prerequisite: CSE 2383 Data Structures and Algorithms). Three hours lecture. Discrete probability, Information theory, Symmetric Cryptography, Introductory Number Theory, Asymmetric Cryptography, Standard Cryptographic Primitives, Cryptographic Protocols.		
CSE 6214	Intro to Software Eng	Tues / Thurs	12:30pm - 01:45pm
	Instructor: Staff		
	(Section 501) (Prerequisite: CSE 2383 with a grade of C or better). Three hours lecture. Two hours laboratory. Introduction to software engineering; planning, requirements, analysis and specification, design; testing; debugging; maintenance; documentation. Alternative design methods, software metrics, software project management, reuse, and reengineering.		
CSE 6363	Software Reverse Engineering	Tues / Thurs	03:30pm - 04:45pm
	Instructor: Stephen Torri		
	(Section 501) (Prerequisite: Grade of C or better in CSE 3183). Three hours lecture. Software specification recovery and malicious software analysis. Tools and techniques for analyzing compiled programs and communications in the absence of documentation.		
CSE 6383	Network Security	Mon / Wed / Fri	11:00am - 11:50am
	Instructor: George Trawick		
	(Section 501) (Prerequisites: CSE 4173/6173 Cryptography; and credit or registration in CSE 4153/6153). Three hours lecture. Basic and advanced concepts in cryptography and network security: symmetric and asymmetric cryptography, key management, wired and wireless network security protocols, network systems security.		
CSE 6623	Computational Biology	Tues / Thurs	09:30am - 10:45am
	Instructor: Andy Perkins		
	(Section 501) (Prerequisite: BCH 4113/6113 or equivalent and CSE 1384 or CSE 4613/6613). Three hours lecture. Computational analysis of gene sequences and protein structures on a large scale. Algorithms for sequence alignment, structural and functional genomics, comparative genomics, and current topics.		
CSE 6633	Artificial Intell	Mon / Wed	02:00pm - 03:15pm
	Instructor: Zhiqian Chen		
	(Section 501) (Prerequisite: Grade of C or better in CSE 2383 and CSE 2813) Three hours lecture. Study of the computer in context with human thought processes. Heuristic programming; search programming; search strategies; knowledge representation; natural language understanding; perception; learning.		
CSE 6733	Operating Systems I	Tues / Thurs	03:30pm - 04:45pm
	Instructor: Staff		
	(Section 501) (Prerequisites: C or better in CSE 3723 and CSE 3183, or C or better in CSE 2383 and ECE 3724). Three hours lecture. Historical development of operating systems to control complex computing systems; process management, communication, scheduling techniques; file systems concepts and operation; data communication, distributed process management.		

CSE 6833	Intro to Algorithms	Mon / Wed	12:30pm - 01:45pm
	Instructor: Eric Hansen		
	(Section 501) (Prerequisites: CSE 2383 and CSE 2813 with a grade of C or better). Three hours lecture. Study of complexity of algorithms and algorithm design. Tools for analyzing efficiency; design of algorithms, including recurrence, divide-and-conquer, dynamic programming and greedy algorithms.		
CSE 8011	Seminar	Mondays	10:00am – 10:50am
	Instructor: Shahram Rahimi		
	(Section 501) One hour seminar. Reports on recent advances and problems in computer science by guest speakers, faculty, and students; student participation, general discussion.		
CSE 8413	Visualization	Mon / Wed	03:30pm - 04:45pm
	Instructor: T. Jankun-Kelly		
	(Section 501) (Prerequisites: CSE 4413/6413). Three hours lecture. Essential algorithms for three-dimensional rendering and modeling techniques; viewing transformations, illumination, surface modeling; methodologies for visualization of scalar and vector fields in three dimensions.		
CSE 8813	Theory of Computation	Mon / Wed	12:30pm - 01:45pm
	Instructor: Ioana Banicescu		
	(Section 501) (Prerequisite: CSE 3813). Three hours lecture. Study of abstract models of computation, unsolvability, complexity theory, formal grammars and parsing, and other advanced topics in theoretical computer science.		
CSE 8843	Seg/Parallel Alrthm	Mon / Wed	03:30pm - 04:45pm
	Instructor: Ioana Banicescu		
	(Section 501) (Prerequisite: CSE 4833/6833). Three hours lecture. Complexity of sequential algorithms, theory of complexity, parallel algorithms.		
ECE 6193	Automotive Engineering	Tues / Thurs	08:00am - 09:15am
	Instructor: Staff		
	(Section 501) Three hours lecture. Fundamentals of automotive engineering, including power units, mechanical systems, electrical systems, and industrial and systems engineering aspects. (Same as CHE/IE/ME 4193/6193).		
ECE 6313	Antennas	Tues / Thurs	08:00am - 09:15am
	Instructor: Staff		
	(Section 501) (Prerequisite: Grade of C or better in ECE 3323). Three hours lecture. Introduction to antennas and electromagnetic radiation, antenna design and analysis, antenna performance measures, antenna types, and antenna arrays.		
ECE 6633	Pwer Distrib Systems	Tues / Thurs	11:00am - 12:15pm
	Instructor: Staff		
	(Section 501) (Prerequisite: Grade of C or better in ECE 3614). Three hours lecture. Distribution of power from transmission system to users; primary and secondary feeders; voltage regulation; distribution transformers; protective device coordination; system design; load management.		

ECE 6793	Literate Programming	Tues / Thurs Fridays	09:30am - 10:20am 12:00pm - 01:40pm
	Instructor: Bryan Jones		
	(Section 501) (Prerequisites: Grade of C or better in ECE 3724 or CSE 3724 and junior or graduate standing or consent of instructor). Two hours lecture and two hours laboratory. Techniques for software development and embedded systems, with an emphasis on interleaved documentation for code longevity. (Same as CSE 4353/6353).		
ECE 8633	Control of DER Systems	Mon / Wed	02:00pm - 03:15pm
	Instructor: Staff		
	(Section 501) (Prerequisite: ECE 3614 or ECE 4913 or consent of instructor). Three hours lecture. Control aspects of power electronic converters used as the interface in distributed and renewable energy systems including the power flow control, power quality aspects, grid supporting functions and stability issues.		
ECE 8683	Power Sys Opt & Control	Tues / Thurs	12:30pm - 01:45pm
	Instructor: Yong Fu		
	(Section 501) (Prerequisite: Grade of C or better in ECE 4613 or ECE 6613). Three hours lecture. Power generation characteristics; network modeling; economic dispatch; unit commitment; security constrained unit commitment; hydrothermal coordination.		
ECE 8803	Random Signals & Systems	Mon / Wed / Fri	11:00am - 11:50am
	Instructor: Chun-Hung Liu		
	(Section 501) (Prerequisite: IE 4613 or MA 4523 or equivalent). Three hours lecture. Probability and random processes, auto-and cross-correlation, energy and power spectral densities, mean-square calculus, ergodicity. Response of linear systems to random signals, and Markov chains.		
ECE 8833	Computational Intelligence	Tues / Thurs	03:30pm - 04:45pm
	Instructor: Chaomin Luo		
	(Section 501) (Prerequisites: MA 4523/6523 or ECE 8803, or consent of instructor). Three hours lecture. An overview of the field of computational intelligence for automated decision-making under uncertainty and pattern recognition with applications to signal and image processing.		
ECE 9100	Graduate Seminar	TBA	TBA
	Instructor: Qian Du		
	(Section 501) Presentations and discussions by faculty, guest speakers, and graduate students on current topics in the areas of electrical and computer engineering. Must be taken three times before graduation for doctoral degree. Repeatable up to three times.		
EM 6123	Intro Finite Element	Mon / Wed / Fri	11:00am - 11:50am
	Instructor: Staff		
	(Section 501) (Prerequisite: Consent of Instructor). Three hours lecture. Introduction to the mathematical theory, formulation, and computer implementation of the finite element method. Application to one-and two-dimensional problems in engineering mechanics.		

EM 6133	Composite Materials	Mon / Wed / Fri	01:00pm - 01:50pm
	Instructor: Han-Gyu Kim		
	(Section 501) (Prerequisites: EM 3213 and MA 3253.) Three hours lecture. Stress, strain, constitutive relations for anisotropic material, lamina properties, laminate properties, composite beams and plates.		
EM 8113	Theory Of Cont Media	Mon / Wed / Fri	10:00am - 10:50am
	Instructor: Davy Belk		
	(Section 501) (Prerequisite: MA 3353 or consent of the instructor). Three hours lecture. An introduction to the general theory of continuous media and its application to the theories of elasticity and fluid mechanics.		
GE 8003	MENG Capstone	TBA	TBA
	Instructor: Kari Reeves (P) / Tamra Swann		
	(Section 501) Three hours lecture. An individualized professional project course open only to candidates for the Master of Engineering. Formal written paper and presentation are required.		
IE 6113	Human Factors Eng	TBA	TBA
	Instructor: Lesley Strawderman		
	(Section 501) (Prerequisite: Junior standing in engineering). Two hours lecture. Three hours laboratory. Human capabilities and limitations affecting communications and responses in man-machine systems. Emphasis on physiological and psychological fundamentals.		
IE 6533	Project Mgt	TBA	TBA
	Instructor: Junfeng Ma		
	(Section 501) (Prerequisites: Grade of C or better in IE 4613). Three hours lecture. Use of CPM, PERT, and GERT for planning, managing and controlling projects. Computer procedures for complex networks.		
IE 6543	Logistics Engineering	TBA	TBA
	Instructor: Staff		
	(Section 501) (Prerequisite: IE 4613 and senior or graduate standing, Co-requisites: IE 4733 or MA 4733). Three hours lecture. Analysis of complex logistics networks. Integration of supply, production, inventory, transportation, and distribution. Strategies for reducing logistics costs and lead times. Customer-supplier partnerships.		
IE 6613	Eng Statistics I	TBA	TBA
	Instructor: Haifeng Wang		
	(Section 501) (Prerequisite: MA 1723). Three hours lecture. Introduction to statistical analysis. Topics include: probability, probability distributions, data analysis, parameter estimation, statistical intervals, and statistical inferences.		

IE 6623	Eng Statistics II Instructor: Vidanelage Dayarathna (Section 501) (Prerequisite: Grade of C or better in IE 4613). Three hours lecture. Continuation of IE 4613/6613. Introduction to engineering applications of regression, experimental design and analysis, and nonparametric methods.	TBA	TBA
IE 6733	Linear Programming I Instructor: Vidanelage Dayarathna (Section 501) (Prerequisites: MA 3113). Three hours lecture. Theory and application of linear programming; formulating optimization models; simplex algorithm, duality and sensitivity analysis, integer programming; branch-and-bound algorithm; real-life applications of linear and integer programming models (Same as MA 4733/6733).	TBA	TBA
IE 6773	Sys Simulation I Instructor: Seunghan Lee (Section 501) (Prerequisite: Grade of C or better in IE 4934, IE 4933 or equivalent programming course, Co-requisite: IE 4623). Three hours lecture. The principles of simulating stochastic systems with an emphasis on the statistics of simulation and the use of discrete-event simulation languages.	TBA	TBA
IE 6933	Information System in IE Instructor: Haifeng Wang (Section 501) (Prerequisite: Grade of C or better in CSE 1233, CSE 1284 or equivalent). Three hours lecture. An introduction to the design and development of information systems for use in industrial engineering applications.	TBA	TBA
IE 6990	Special Topic In IE Instructor: Reuben Burch , V(P) / Charles Freeman , Jr. (Section 501) Credit and title to be arranged. This course is to be used on a limited basis to offer developing subject matter areas not covered in existing courses. (Courses limited to two offerings under one title within two academic years).	TBA	TBA
IE 6990	Special Topic In IE Instructor: Staff (Section 502) Credit and title to be arranged. This course is to be used on a limited basis to offer developing subject matter areas not covered in existing courses. (Courses limited to two offerings under one title within two academic years).	TBA	TBA
IE 8333	Prod Control Sys II Instructor: Nazanin Morshedlou (Section 501) (Prerequisites: IE 4333). Three hours lecture. Inventory systems, static and dynamic production planning, operations scheduling and forecasting systems.	TBA	TBA

IE 8733	Decision Theory	TBA	TBA
	Instructor: Brian Smith		
	(Section 501) (Prerequisite: IE 4613). Three hours lecture. A quantitative development of the decision making process. Criteria for decision making. Treatment of risk under uncertainty and in conflict situations.		
IE 8990	Special Topic In IE	TBA	TBA
	Instructor: Mohammad Marufuzzaman		
	(Section 501) Credit and title to be arranged. This course is to be used on a limited basis to offer developing subject matter areas not covered in existing courses. (Courses limited to two offerings under one title within two academic years).		
ME 6193	Automotive Engineering	Tues / Thurs	08:00am - 09:15am
	Instructor: Staff		
	(Section 501) Three hours lecture. Fundamentals of automotive engineering, including power units, mechanical systems, electrical system and industrial and systems engineering aspects. (Same as CHE/ECE/IE 4193/6193).		
ME 6233	Fundamentals of FEA	Mon / Wed	12:30pm - 01:45pm
	Instructor: Matthew Priddy		
	(Section 501) Three hours lecture. This course focuses on the implementation of the finite element (FE) method with commercially-available FE software and the basic mathematical theory of finite element analysis. Topics include mechanical response with a survey of thermal analysis and advanced topics (e.g., nonlinear problems and dynamic loading).		
ME 6353	Alt Energy Sources	Mon / Wed / Fri	10:00am - 10:50am
	Instructor: B. Keith Hodge		
	(Section 501) (Prerequisite: ME 3313). Three hours lecture. Analysis and design of systems using energy derived from solar, hydro, geothermal, wind, ocean, waste, and biomass sources.		
ME 6393	Power Generation Systems	Mon / Wed / Fri	11:00am - 11:50am
	Instructor: Staff		
	(Section 501) (Prerequisites: ME 3313 and ME 3523). Three hours lecture. Evaluation and optimization of power generation systems with emphasis on optimization methods, system simulation, and economics. Energetic, economic, and environmental issues as well as exergy analysis may be incorporated in this course.		
ME 6833	Intermed Fluid Mech	Tues / Thurs	12:30pm - 01:45pm
	Instructor: Staff		
	(Section 501) (Prerequisite: EM 3313). Three hours lecture. Differential equations of fluid mechanics, Newtonian and non-Newtonian fluids, boundary-layer theory, laminar and turbulent solutions, compressible flow with applications.		

ME 8253	Fatigue in Engin Design	Tues / Thurs	11:00am - 12:15pm
	Instructor: Youssef Hammi		
	(Section 501) Three hours lecture. Prediction and prevention of fatigue failure in metallic materials.		
ME 8513	Classical Thermo	Mon / Wed / Fri	08:00am - 08:50am
	Instructor: Staff		
	(Section 501) Three hours lecture. Postulational treatment of the physical laws of equilibrium, thermostatics. Equations of state, processes, equilibrium stability, reactive systems, phase transitions.		

Mississippi State University Registration Information

Admissions

All students participating in the off-campus program should contact Tamra Swann to get information on the Admissions and the Registrations process. Tamra Swann (662-325-3786) is the Bagley Distance Education Coordinator and will assist students in pursuing their master's degree program.

Students applying after December 1st should visit grad.msstate.edu and select the APPLY NOW button to apply as a Graduate Unclassified Spring 2023 student. This is a quick process for students that are not signing up for a full degree program. Unclassified students may transfer a limited number of credits into their degree program with the approval of the graduate program.

Students that choose to apply to a specific program should confirm the deadline dates for that specific program. Please note that applications do require undergraduate transcripts. If a student needs to send a transcript, it is recommended that they initiate that process as soon as possible. Students should visit their college's registrar's website to find out how to request their transcript. Visit <https://www.grad.msstate.edu/students/admissions/where-to-send-documents> to see where to send these documents at MSU.

Registration

Registration for Spring 2023 is ongoing through December 1st for applicants applying for online degree programs. For unclassified students, the registration deadline for Spring 2023 is 11:59 PM (CST) before the first day of class. Applications can be started at <https://apply.grad.msstate.edu/>

Tuition

Online tuition for Spring 2023 is \$539.00 per graduate credit hour. Fee details can be found at <https://www.controller.msstate.edu/accountservices/tuition/> .

Note: The Center of Higher Learning makes every attempt to accurately list tuition rates for our participating universities. It is advisable, however, to check with the University before submitting your final paperwork or payment.

Textbooks

Students wishing to order textbooks can do so by visiting the MSU Bookstore website at <https://msstate.bncollege.com/shop/msu/home> or calling at (662) 325-8361. Students can also visit the Campus Book Mart website at <https://www.campusbookmart.net/cbm/> or call them at (662) 323-7660.

Important Dates

January 17 th	Classes begin
January 23 rd	Last day to drop a course without a grade (5 th class day)
January 24 th	Last day to register or add a course (6 th class day) 5:00pm
May 1 st	Classes end
May 4 th	Final exams begin

For questions about registration and schedule changes, contact Tamra Swann at 662.325.3786 or tswann@bagley.msstate.edu.