

Mississippi State University

Summer 2023

Course List

ASE 6163	Intro to Flight Test Eng	Mon – Fri	1:00pm – 2:50pm
CE 6523	Open Chan Hydraul	Mon – Fri	3:00pm – 4:50pm
CE 8433	Advanced Foundations	Mon – Fri	3:00pm – 4:50pm
CE 8683	Finite Element Analy	Tues / Thurs	2:00pm – 3:15pm
CHE 8713	Sci Proposal Inst/Dev	TBA	TBA
GE 6513	Engr. Writ. and Pres.	Mon / Wed	10:00am – 12:20pm
GE 8003	MENG Capstone	TBA	TBA
GE 8313	Intro to Military Hydrology	TBA	TBA
IE 6333	Prod Control Sys I	TBA	TBA
IE 6543	Logistics Engineering	TBA	TBA
IE 6613	Eng Statistics I	TBA	TBA
IE 6653	Ind Qual Control I	TBA	TBA
IE 6733	Linear Programming I	Mon – Fri	3:00pm – 4:50pm
IE 6753	Systems Engr & Analysis	TBA	TBA
IE 8990	Special Topic In IE - Engineering Human Performance, Assessment and Management	TBA	TBA
IE 8990	Special Topic In IE - Measuring Fight/Flight/Freeze Response	TBA	TBA

Course Descriptions

ASE 6163	Intro to Flight Test Eng Instructor: Calvin Walker (Section 551) (Prerequisite: ASE 3313, ASE 4123). Three hours lecture. Introduction to the techniques of aeronautical flight test engineering. Supplements Aerospace curriculum Pitot/static systems, and introduces fixed-wing flight test engineering, data reduction, certification, flight-test risk assessment/mitigation, and flight crew-station analysis procedures. <i>Course Dates: 7/6/2023 – 8/4/2023</i>	Mon - Fri	1:00pm - 2:50pm
CE 6523	Open Chan Hydraul Instructor: Staff (Section 591) (Prerequisite: Grade of C or better in CE 3503; or consent of major advisor). Three hours lecture. Continuity, energy and momentum principles in open channel flow, flow resistance, uniform and non-uniform flow, channel controls and transitions, unsteady flow routing. <i>Course Dates: 6/2/2023 – 6/30/3023</i>	Mon - Fri	3:00pm - 4:50pm

CE 8433	Advanced Foundations	Mon - Fri	3:00pm - 4:50pm
	Instructor: Oliver-Denzil Taylor		
	(Section 551) (Prerequisite: Consent of Major Advisor). Three hours lecture. A continuation of CE 3433 with emphasis on unusual soil conditions and foundations.		
	<i>Course Dates: 7/6/2023 – 8/4/2023</i>		
CE 8683	Finite Element Analy	Tues / Thurs	2:00pm - 3:15pm
	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.		
	<i>Course Dates: 6/2/2023 – 8/4/2023</i>		
CHE 8713	Sci Proposal Inst/Dev	TBA	TBA
	Instructor: Santanu Kundu		
	(Section 591) (Prerequisites: CHE graduate student or consent of instructor). Three hours lecture. Detailed instruction in scientific research proposal preparation and review including, article and proposal reviewing, literature searches, broader impact statements, and full proposal development and defense. Introduce responsible conduct of research.		
	<i>Course Dates: 6/2/2023 – 6/30/3023</i>		
GE 6513	Engr. Writ. and Pres.	Mon / Wed	10:00am - 12:20pm
	Instructor: Amy Barton		
	(Section 501) (Prerequisite: Graduate standing in an engineering discipline). Three hours lecture. Instruction in writing and presenting for engineering graduate students. Writing/presenting principles and strategies as applied to manuscripts, thesis/dissertation chapters, presentation delivery/slides, and posters.		
	<i>Course Dates: 6/2/2023 – 8/4/2023</i>		
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.		
	<i>Course Dates: 6/2/2023 – 8/4/2023</i>		
GE 8313	Intro to Military Hydrology	TBA	TBA
	Instructor: Staff		
	(Section 501) Three hours lecture. Applying principles from the hydrologic sciences to problems relevant for force protection and force projection. Course will identify tools and datasets that are available for making hydrologic predictions in data sparse regions and apply these tools and datasets to inform tactical and strategic decision-making.		
	<i>Course Dates: 6/2/2023 – 8/4/2023</i>		

IE 6333	Prod Control Sys I	TBA	TBA
	<p>Instructor: Nazanin Morshedlou</p> <p>(Section 591) (Prerequisite: Grade of C or better in IE 4613). Three hours lecture. Principles, analysis, and design of production and inventory planning and control. Demand for forecasting, aggregated planning, inventory management, production scheduling and control systems.</p> <p><i>Course Dates: 6/2/2023 – 6/30/3023</i></p>		
IE 6543	Logistics Engineering	TBA	TBA
	<p>Instructor: Staff</p> <p>(Section 551) (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.</p> <p><i>Course Dates: 7/6/2023 – 8/4/2023</i></p>		
IE 6613	Eng Statistics I	TBA	TBA
	<p>Instructor: Nazanin Morshedlou</p> <p>(Section 591) (Prerequisite: MA 1723). Three hours lecture. Introduction to statistical analysis. Topics include: probability, probability distributions, data analysis, parameter estimation, statistical intervals, and statistical inferences.</p> <p><i>Course Dates: 6/2/2023 – 6/30/3023</i></p>		
IE 6653	Ind Qual Control I	TBA	TBA
	<p>Instructor: Jenna Johnson</p> <p>(Section 551) (Prerequisite: IE 4613). Three hours lecture. The theory and application of statistical quality control; statistical process control; and statistical acceptance sampling.</p> <p><i>Course Dates: 7/6/2023 – 8/4/2023</i></p>		
IE 6733	Linear Programming I	Mon - Fri	3:00pm - 4:50pm
	<p>Instructor: Staff</p> <p>(Section 551) (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).</p> <p><i>Course Dates: 7/6/2023 – 8/4/2023</i></p>		
IE 6753	Systems Engr & Analysis	TBA	TBA
	<p>Instructor: Daniel Dunaway</p> <p>(Section 591) (Prerequisite: Grade of C or better in IE 3913 and IE 4613). Three hours lecture. Systems concepts, methodologies, models and tools for analyzing, designing, and improving new and existing human-made systems.</p> <p><i>Course Dates: 6/2/2023 – 6/30/3023</i></p>		

IE 8990

Special Topic In IE - Engineering Human Performance, Assessment and Management

TBA

TBA

Instructor: Reuben Burch , V

(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).

Course Dates: 6/2/2023 – 8/4/2023

IE 8990

Special Topic In IE - Measuring Fight/Flight/Freeze Response

TBA

TBA

Instructor: Reuben Burch , V

(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).

Course Dates: 6/2/2023 – 8/4/2023

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. Unclassified students can transfer a limited number of credits into their degree program. Tamra Swann (662-325-3786) is the Bagley Distance Education Coordinator and will assist students in pursuing their master's degree program.

Registration

Registration for Summer 2023 is ongoing through May 15th for applicants applying for online degree programs. For unclassified students, the registration deadline for Summer 2023 is 11:59 PM (CST) before the first day of class. Applications can be started at <https://apply.grad.msstate.edu/>. Please call Danielle Poole at 228-688-3170 for more details.

Tuition for Summer 2023

Online tuition for Summer 2023 is \$539.00 per graduate credit hour. Other online fees may apply, depending on the program. 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

MSU offers 5-week and 10-week summer term courses. Please consult the course dates listed in the individual course descriptions. All deadlines are at 12:00 midnight unless otherwise stated.

Summer First Term

June 2 nd	Classes begin
June 5 th	Last day to drop (without a grade) or add a course (2nd class day)
June 28 th	Classes end
June 30 th	Final examinations

Summer Second Term

July 6 th	Classes begin
July 7 th	Last day to drop (without a grade) or add a course (2nd class day)
August 1 st	Classes end
August 3 rd , 4 th	Final examinations

Summer Ten Week Term

June 2 nd	Classes begin
June 6 th	Last day to drop (without a grade) or add a course (3 rd class day)
June 29 th - July 5 th	Break for ten-week classes
July 6 th	Classes resume
August 1 st	Classes end
August 3 rd , 4 th	Final examinations

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