EGR 1010 SCHEDULE - WSU
Fall, 2019

LECTURE:

DATE(S)	SUBJECT
Week 1: 8/26-8/30	Application of Algebra in Engineering - Linear Equations
	Application of Algebra in Engineering - Quadratic Equations
Week 2: 9/2-9/6	Trigonometry - One-Link Planar Robot
	Trigonometry - One and Two-Link Planar Robots
MONDAY, 9/2	NO SCHOOL – LABOR DAY
Week 3: 9/9-9/13	2-D Vectors in Engineering
Week 4: 9/16-9/20	Complex Numbers in Engineering
FRIDAY, 9/20	***Last Day to Drop without a Grade of "W"***
Week 5: 9/23-9/27	Sinusoids and Harmonic Signals in Engineering
Week 6: 9/30-10/4	Systems of Equations and Matrices in Engineering
WEDNESDAY, 10/2	**EXAM #1, 8:00-10:00 pm**
Week 7: 10/7-10/11	Introduction to Derivatives in Engineering
	Applications of Derivatives in Dynamics
Week 8: 10/14-10/18	Applications of Derivatives in Electric Circuits
Week 9: 10/21-10/25	Applications of Derivatives in Mechanics of Materials
	Further Applications of Derivatives in Engineering
FRIDAY, 10/25	***Last Day to Drop with a Grade "W"***
Week 10: 10/28-11/1	Introduction to Integrals in Engineering
	Applications of Integrals in Statics
Week 11: 11/4-11/8	Applications of Integrals in Dynamics
WEDNESDAY, 11/6	**EXAM #2, 8:00-10:00 pm**
Week 12: 11/11-11/15	Applications of Integrals in Electric Circuits
	Further Examples of Integrals in Engineering
MONDAY, 11/11	NO SCHOOL – VETERAN'S DAY
Week 13: 11/18-11/22	Introduction to Differential Equations – The Leaking Bucket
	Differential Equations in Mechanical Systems
Week 14: 11/25-11/29	Applications of Differential Equations – Electrical Systems
WED-FRI 11/27-11/29	NO SCHOOL – THANKSGIVING BREAK
Week 15: 12/2-12/6	Applications of Differential Equations – Electrical Systems
	Applications of Differential Equations – Electrical Systems Cont.
Finals Week: 12/9-12/13	
THURSDAY, 12/12	**FINAL EXAM, 12:30-2:30 pm (unscheduled time block)**

LAB:

DATES	SUBJECT
Week 1	Introduction and Meet the Lab TA's
Week 2	Lab #1: Application of Algebra in Engineering: The One-Loop Circuit
Week 3	Lab #2: Trigonometric Relationships in One and Two-Link Planar Robots
Week 4	Matlab Supplemental Instruction #1
Week 5	MAKE UP LAB WEEK
Week 6 (E1)	Lab #3: Measurement and Analysis of Harmonic Signals
Week 7	Lab #4: Systems of Equations in Engineering: The Two-Loop Circuit
Week 8	Matlab Supplemental Instruction #2
Week 9	Lab #5: Derivatives in Engineering: Velocity and Acceleration in Free-Fall
Week 10	Matlab Supplemental Instruction #3
Week 11 (E2)	Lab #6: Integrals in Engineering: Work and Stored Energy in a Spring
Week 12	Matlab Supplemental Instruction #4
Week 13	Lab #7: Differential Equations in Engineering: The Leaking Bucket
Week 14	NO LAB – THANKSGIVING BREAK (MAKE UP Mon/Tues)
Week 15	Lab #8: Differential Equations in Engineering: Spring-Mass Vibration
Finals Week	MAKE UP LAB WEEK