

CE 546 / ME 549 Finite element analysis – Spring 2020
Tentative Lecture & Assignment Schedule
(It could be subject to changes during the semester!)

Week #	Date	Lecture/Assignment/Comment
Week 1	Jan 15 - 17	Introduction, 1-D discrete systems
Week 2	Jan 20 - 24	1-D discrete systems
Week 3	Jan 27 - 31	2-D discrete systems, Introduction to programming
Week 4	Feb 3 - 7	Introduction to programming
Week 5	Feb 10 - 14	1-D continuous systems Homework #1
Week 6	Feb 17 - 21	1-D continuous systems
Week 7	Feb 24 - 28	1-D continuous systems
Week 8	Mar 2 - 6	1-D continuous systems Homework #2
Week 9	Mar 9 – 13	Approximations for solutions, weightg functions, Gauss quadrature in 1-D Exam 1 – Monday., March 9 (on-campus students), EO students: Monday March 9 – Wednesday, March 11
Week 10	Mar 16 - 20	Spring break
Week 11	Mar 23 - 27	Finite element formulation of 1-D problems Project #1
Week 12	Mar 30 - Apr 3	2-D scalar field problems Homework #3
Week 13	Apr 6 - 10	2-D scalar field problems
Week 14	Apr 13 - 17	Approximations for solutions, weightg functions, Gauss quadrature in 1-D
Week 15	Apr 20 - 24	Finite element formulation of 2-D scalar field problems Homework #4
Week 16	Apr 27 - May 1	Finite element formulation of 2-D scalar field problems Exam 2 – On-campus students: Monday. April 27 EO students: Monday, April 27 – Wednesday, April 29
Week 17	May 4 - May 8	Finite element formulation of 2-D vector field problems Project #2
Week 18	May 11 – 15	Final Exam week Final exam: On campus students - Tuesday, May 12, 8:00 - 10:00 a.m. EO students – Tuesday, May 12 – Thursday, May 14