

Recent Courses

I have taught 21 different courses from freshman through graduate level across four areas of engineering. The table below shows the courses I have taught since 2012 (at the University of Wyoming). If you would like additional information (e.g., syllabi, etc.) about these courses, please send me a request by e-mail.

Semester	Level	Course Number	Title	Credit Hours	No. of Students
Spr 2024	Graduate	ENVE 5425	Environmental Engineering Microbiology	3	7
Fall 2023	Senior	CHE 4090	Process Dynamics and Control	3	23
Su 2023	Senior	CHE 4990	Process Dynamics and Control	3	1
Spr 2023	Graduate	CHE 5410 ^a	Advanced Bio. Treatment Processes	3	7
	Senior	CHE 4050 ^b	Unit Operations Lab II	3	33
Fall 2022	Senior	CHE 4090	Process Dynamics and Control	3	32
Spr 2022	Senior	CHE/PETE 4000	Environment, Technology & Society	3	18
Fall 2021	Sophomore	CHE 2005	Chemical Process Analysis	3	29
	Graduate	ENVE 5425	Environmental Engineering Microbiology	3	6
Spr 2021	Graduate	CHE 5410 ^a	Advanced Bio. Treatment Processes	3	4
Fall 2020	Sophomore	CHE 2005	Chemical Process Analysis	3	54
Spr 2020	Senior	CHE/PETE 4000	Environment, Technology & Society	3	42
Fall 2019	Sophomore	CHE 2005	Chemical Process Analysis	3	34
	Senior	CHE 4090	Process Dynamics and Control	3	31
	Senior	CHE 4970	Internship in Chemical Engineering	3	1
	Graduate	ENVE 5425	Environmental Engineering Microbiology	3	8
Su 2019	Senior	CHE 4970	Internship in Chemical Engineering	3	3
	Junior	CHE 3900	Undergraduate Research	3	1
Spr 2019	Senior	CHE 4970	Internship in Chemical Engineering	3	1
	Graduate	CHE 5410 ^a	Advanced Bio. Treatment Processes	3	11
Fall 2018	Sophomore	CHE 2005	Chemical Process Analysis	3	44
	Senior	CHE 4090	Process Dynamics and Control	3	38
	Senior	CHE 4990 ^c	Topics: Special CHE Senior Design Course	5	1
Spr 2018	Senior	CHE 4050	Unit Operations Lab II (one section)	3	20
	Senior	CHE/PETE 4000	Environment, Technology & Society	3	57

Semester	Level	Course Number	Title	Credit Hours	No. of Students
Fall 2017	Senior	CHE 3040	Unit Operations Lab I (one section)	3	20
	Senior	CHE 4090	Process Dynamics and Control	3	34
	Graduate	ENVE/CE 5425	Environmental Engineering Microbiology	3	6
Su 2017	Senior	CHE 4970	Internship in Chemical Engineering	3	1
Spr 2017	Senior	CHE 4050	Unit Operations Lab II (one section)	3	20
	Graduate	CHE 5410 ^a	Advanced Bio. Treatment Processes	3	4
	Junior	CHE 3900	Undergraduate Research	3	1
Fall 2016	Senior	CHE 3040	Unit Operations Lab I (one section)	3	19
	Senior	CHE 4090	Process Dynamics and Control	3	35
Su 2016	Senior	PETE 4970	Internship in Petroleum Engineering	3	5
Spr 2016	Senior	CHE 4050	Unit Operations Lab II (one section)	3	12
	Senior	CHE/PETE 4000	Environment, Technology & Society	3	43
	Junior	CHE 3900	Undergraduate Research	2	1
Fall 2015	Senior	CHE 4090	Process Dynamics and Control	3	38
Spring 2015	Senior	PETE4735 ^d	Petroleum Engineering Design II	4	59
	Graduate	CHE 5410 ^a	Advanced Bio. Treatment Processes	3	2
Fall 2014	Sophomore	CHE 2005 ^e	Chemical Process Analysis	3	73
	Senior	CHE 4090	Process Dynamics and Control	3	32
	Senior	PETE4720 ^f	Petroleum Engineering Design I	3	60
Spr 2014	Did not teach in Spring 2014 (Department Head Duties)				
Fall 2013	Sophomore	CHE 2005	Chemical Process Analysis	3	63
Su 2013	Sophomore	ES 2310	Thermodynamics	3	34
Spr 2013	Graduate	CHE 5410 ^a	Advanced Bio. Treatment Processes	3	5
Fall 2012	Sophomore	CHE2005	Chemical Process Analysis	3	58
Spr 2012	Sophomore	ES 2310	Thermodynamics	3	45

^aCross-listed with CE 5410 and ENVE 5410

^bLead instructor was Mr. Ian Hammontree.

^cCo-taught with Dr. David Bell

^dLead instructor was Dr. Vladimir Alvarado. Co-instructors were Drs. Shunde Yin and Saman Aryana

^eLead instructor. Co-instructor was Dr. Karen Wawrousek

^fLead instructor. Co-instructors were Drs. Vladimir Alvarado, Shunde Yin and Saman Aryana