

**Recent Courses**

I have taught 21 different courses from freshman through graduate level across four areas of engineering. Most recently (since 2020), I have been teaching two graduate courses in environmental engineering (CHE/ENVE/CE 5410 and ENVE 5425), a required sophomore class in chemical engineering (CHE 2005) and an elective in the area of sustainability (CHE/PETE 4000). The table below shows the courses I have taught over the last 10 years (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 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 <sup>a</sup>	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 <sup>a</sup>	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 <sup>b</sup>	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
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

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Spr 2017	Senior	CHE 4050	Unit Operations Lab II (one section)	3	20
	Graduate	CHE 5410 <sup>a</sup>	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 <sup>c</sup>	Petroleum Engineering Design II	4	59
	Graduate	CHE 5410 <sup>a</sup>	Advanced Bio. Treatment Processes	3	2
Fall 2014	Sophomore	CHE 2005 <sup>d</sup>	Chemical Process Analysis	3	73
	Senior	CHE 4090	Process Dynamics and Control	3	32
	Senior	PETE4720 <sup>e</sup>	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 <sup>a</sup>	Advanced Bio. Treatment Processes	3	5
Fall 2012	Sophomore	CHE2005	Chemical Process Analysis	3	58
Spr 2012	Sophomore	ES 2310	Thermodynamics	3	45

<sup>a</sup>Cross-listed with CE 5410 and ENVE 5410

<sup>b</sup>Co-taught with Dr. David Bell

<sup>c</sup>Lead instructor was Dr. Vladimir Alvarado. Co-instructors were Drs. Shunde Yin and Saman Aryana

<sup>d</sup>Lead instructor. Co-instructor was Dr. Karen Wawrousek

<sup>e</sup>Lead instructor. Co-instructors were Drs. Vladimir Alvarado, Shunde Yin and Saman Aryana