

Spring 2020

CHE 101-102: Introduction to Chemical Engineering

Lisa Axe

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Axe, Lisa, "CHE 101-102: Introduction to Chemical Engineering" (2020). *Chemical and Materials Engineering Syllabi*. 82.

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CHE 101- INTRODUCTION TO CHEMICAL ENGINEERING SPRING 2020

Room: Tierna Lecture Hall 1

Thursday 6:00-6:50PM

Chair and Professor Lisa Axe

150 Tiernan Hall

Phone: (973) 596-2477

axe@njit.edu

Course Goals:

- Introduce careers in chemical engineering
- Learn about experiential opportunities
- Gain familiarity with departmental policies
- Demonstrate ethics and professionalism

Attendance:

This is a freshman-level course, and by university policy attendance is required and will be taken. Grading is S/U and is based on attendance and completing assignments.

Course Deliverables:

- Attend four AIChE Student Chapter Meetings and obtain a sign off from the speaker due April 30th
- Submit your resume signed off by a CDS representative due February 13th
- Submit your Academic Plan with at least one experiential learning experience due March 26th
- Submit how you will impact a grand challenge in your career due April 30th

Tentative Schedule:

January 23	Introduction Chair and Professor Lisa Axe – Meet your Advisor Dr. Gordana Obuskovic	http://www.engineeringchallenges.org How will you impact a grand challenge in your career? 1 page double space write up due April 30 th
January 30	Meet the AIChE Student Chapter and the Student Chapter Advisor and Assistant Professor Roman Voronov	Attend four Chapter Meetings: Sign off of industry speaker
February 6	CDS Preparing Your Resume: Ms. Casey Hennessey and Ms. Dominique Clarke	Develop Resume for the Career Fair – submit resume by February 13 th signed off by CDS
February 13	Faculty: Assistant Professor Joshua Young	Submit resume reviewed and signed by CDS
February 20	Faculty: Assistant Professor Murat Guvendiren	
February 27	Co-op Presentations: Daniel Young and Abigail Ocaya	Co-op presentations and panel
March 5	Faculty: Assistant Professor Kathleen McEnnis	
March 12	Faculty: Associate Chair of Undergraduate Study and Associate Professor Ecevit Bilgili	
March 26	Feedback	Submit your Academic Plan with at least one experiential learning experience

April 2	Co-op Presentations: Thea Gojo Cruz and Samantha Lynn Swider	Co-op presentations and panel
April 9	Industry Visit: Robert Rossi (Consultant) and Peter Sibilski (Pharmetic Manufacturing Company, Alzo International, Inc.)	
April 16 and 23	No Class	
April 30	Feedback	Submit sign off from attending four AIChE Student Chapter Meetings

AIChE Code of Ethics

Board approved November 2015

The Board of Directors of the American Institute of Chemical Engineers adopted this Code of Ethics to which it expects that the professional conduct of its members shall conform, and to which every applicant attests by signing his or her membership application. Members of the American Institute of Chemical Engineers shall uphold and advance the integrity, honor and dignity of the engineering profession by: being honest and impartial and serving with fidelity their employers, their clients, and the public; striving to increase the competence and prestige of the engineering profession; and using their knowledge and skill for the enhancement of human welfare. To achieve these goals, members shall:

1. Hold paramount the safety, health and welfare of the public and protect the environment in performance of their professional duties.
2. Formally advise their employers or clients (and consider further disclosure, if warranted) if they perceive that a consequence of their duties will adversely affect the present or future health or safety of their colleagues or the public.
3. Accept responsibility for their actions, seek and heed critical review of their work and offer objective criticism of the work of others.
4. Issue statements or present information only in an objective and truthful manner.
5. Act in professional matters for each employer or client as faithful agents or trustees, avoiding conflicts of interest and never breaching confidentiality.
6. Treat all colleagues and co-workers fairly and respectfully, recognizing their unique contributions and capabilities by fostering an environment of equity, diversity and inclusion.
7. Perform professional services only in areas of their competence.
8. Build their professional reputations on the merits of their services.
9. Continue their professional development throughout their careers, and provide opportunities for the professional development of those under their supervision.
10. Never tolerate harassment.
11. Conduct themselves in a fair, honorable and respectful manner.

[Read AIChE's Sexual Harassment Policy](#)

AIChE Diversity Statement

Board approved November 2015: AIChE is committed to creating an environment in the Institute and profession in which all members, regardless of characteristics such as gender, race, religion, age, physical condition, sexual orientation, nationality or ethnicity, are valued and respected.