

Spring 2019

CHE 101-102: Introduction to Chemical Engineering

Lisa Axe

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CHE 101- INTRODUCTION TO CHEMICAL ENGINEERING SPRING 2019

Room: Tiernan 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 will be S/U based on attendance and some assignments

Tentative Schedule:

January 24	Introduction Chair and Professor Lisa Axe – Meet your Advisor Dr. Gordana Obuskovic	NAE Grand Challenges: 2-page double space essay
January 31	Meet the AIChE Student Chapter and the Student Chapter Advisor and Assistant Professor Roman Voronov	Attend 4 Chapter Meetings
February 7	CDS Preparing Your Resume: Ms. Dominique Clark and Mr. Patrick Young	Develop Resume for the Career Fair – submit resume developed and signed off by CDS
February 14	Faculty: Distinguished Professor and Associate Chair of Graduate Studies Ed Dreizin	
February 21	Industry: Mr. Karthik Eticala, Estee Lauder	
February 28	Co-op Presentations: Mr. Jeffrey Skros, Mr. Elmar Ebrahim, Ms. Emely Cosme, Ms. Ann Marie Walker, and Mr. Steven Herrera	Co-op presentations and panel
March 7	Innovation and Entrepreneurship: Professor Cesar Bandera, Martin Tuckman School of Management	Tour of the Enterprise Development Center
March 14	Faculty: Professor and Director of the Materials Engineering Program David Venerus	
March 28	Feedback	Academic Plan is due
April 4	Co-op Presentations: Mr. Reymi Altagracia, Ms. Prarthana Manoj Rajaj, Ms. Kendall Leung, Mr. Conor Townsend, Mr. Shawn Huynh	Co-op presentations and panel

April 11	Study Abroad: Ms. Cristiana Kunyczka and Ms. Beth Calamia Scheckel	
April 18	Faculty: Associate Chair of Undergraduate Study and Associate Professor Ecevit Bilgili	
April 25	Industry: Mr. Jack Shea, Merck	
May 2	Feedback	2 page essay is due

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.