

CHEM 690 - Section 001
Syllabus – Subject to Revision

Logistics:

Course Number: CHEM 690 (Section 001)
Course Title: Scientist Career Transitions
Instructor: Douglas Stafford, PhD
Office: Chemistry Building, Room 372B
Contact Information: Email: dcstaff@uwm.edu
Tel: (414) 416-5594
Office Hours: Tuesday, 11:00 a.m.-Noon
Course Meeting: Tuesdays, 3:00 – 3:50 p.m.
Location: Chemistry 372A
Final Exam: See course requirements below
Note: This course has specific prerequisites and requires approval of the instructor.
Class size: Limited to 20 students

Course Description:

This course is offered as for ONE credit. This course is designed to better prepare science undergraduates for their transition to employment in science-oriented industrial workplaces. The program would include pre-internship/apprenticeship classroom experiences to develop “translational skills” to increase competence for the workplace and better translate academic learning to initial employment, job success, and career advancement.

Registration for the course requires a 3.0 in science courses, standing at the sophomore level or above, completion or concurrent enrollment in Chem 344/345 (or equivalent for non-chemistry departments), and consent of the instructor.

Course organization:

Classes are scheduled for one hour each week on Tuesdays at 3:00 – 3:50 p.m. Attendance is mandatory and will be recorded. Any missed class periods will require make up assignments that cover missed material. Class meetings will involve instructor lead presentations, student participation in discussions, and reviews of assigned readings.

Homework:

Five one page written reviews of topic papers will be required, spaced throughout the semester (may be given as oral presentations at instructor’s discretion).

Exams:

There will be no in-class exams.

Final Exam:

The final exam will consist of a 4-5 page written technical report based on a topic covered during the semester. The topic for the final exam will be assigned by the instructor no later than April 1 and the technical report will be due by email by 5:00 p.m. on the final day of scheduled classes for the semester. Specific content and organization of the report will be provided during the semester.

Grading:

Classroom participation:	50 pts
Written reviews - 10 pts each:	50 pts
Final exam (written report):	<u>50 pts</u>
Total	150 pts

Letter grades will be awarded as follows: 93 or above – A; 85-92 – B; 74-91 – C; 66-73 – D; 65 or below – Fail.

Textbook:

None required

There will be required readings for each class period that will be assigned the prior week. Readings will be given by the instructor as handouts or web links, and may include case studies, regulatory guidance documents, essays, court actions, patents, and the like. Students are encouraged to independently bring issues of current controversy that are relevant to the scheduled classroom topic.

Policies:

UWM: You must follow the policies and procedures outlined in the current Schedule of Classes.

See: <http://www.uwm.edu/Dept/SecU/SyllabusLink.pdf>

Department of Chemistry: You are expected to fully understand the policies posted on the bulletin boards across from CHM 195 and adjacent to CHM 164.

Drop, Section Change: Most changes can be made on PAWS. Make sure you check-out of laboratory to avoid having a “hold” placed on your records.

Incomplete: An incomplete can be given only to a student who has been doing satisfactory (C or better) work but who is unable to continue attending the course for a reason judged valid. The request for an Incomplete must be accompanied by documentation.

Academic Dishonesty: Cheating on an examination or other graded material will result in a grade of zero as a minimum consequence. Failure in the course and referral to the Dean may also occur. In short, academic dishonesty in any form will not be tolerated.

Cell phone use during class discussion is prohibited.

Tentative Course Outline:

Below is an approximate framework of topics for classroom discussion. Because only one class period will be dedicated to each topic, it is expected that students are well prepared to engage in classroom discussion.

<u>Date</u>	<u>Topic</u>
Jan 24	Course orientation and organization
Jan 31	Business and personal ethics
Feb 7	Business organizations
Feb 14	Professionalism/etiquette/personal branding
Feb 21	Human resources principles/regulations
Feb 28	Conflict resolution
Mar 7	Intellectual property I – statutes and cases
Mar 14	Intellectual property II – patent analysis
Mar 21	<i>No class</i>
Mar 28	Contracts
Apr 4	The regulated environment
Apr 11	cGMP
Apr 18	Research compliance/human subjects research
Apr 25	Research and development process/decision making
May 2	Project management
May 9	Entrepreneurship

Disclaimer:

Course requirements and grading structure are not open to negotiation and the instructor reserves the right to adjust procedural aspects of the course as needed. This syllabus has been constructed to be as complete as possible but topics covered and their sequence may be modified by the instructor at his discretion.