



UNIVERSITY OF TEXAS AT ARLINGTON
EVSE 5100-001

Science Technology Engineering and Mathematics (STEM) Professional Development

Selected Topics in Environmental Science and Engineering
Spring 2016

INSTRUCTOR(S): Dr. Ashanti Johnson

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SECTION INFORMATION: EVSE 5100-001

COURSE DATES: Jan 19, 2016 - May 13, 2016

TIME AND PLACE OF CLASS MEETINGS: online, asynchronous

OFFICE HOURS: Available by email. Questions and concerns will be answered on Wednesdays 9:00am-11:00am (CST). Appointments may be scheduled at least two days ahead.

DESCRIPTION OF COURSE CONTENT

This course is organized as a series of professional development modules and builds upon STEM Professional Development Selected Topics I. The course facilitates the enhancement academic success strategies and professional skills. The following topics will be addressed in this course, in direct response to results of a student needs assessment that was conducted during the final class period of the STEM Professional Development Selected Topics I:

- Grant writing
- Translating science for the public
- Self-branding- developing a professional identity
- Personal development (networking)
- Conducting literature review for graduate research
- Preparing for “Beyond the Ph.D”
- Developing manuscripts

While discussing these topics in detail, additional topics listed below will also be covered:

- Strategic planning for success in graduate studies
- Time management
- Finding and working effectively with mentors and colleagues
- Participating in professional societies

STUDENT LEARNING OUTCOMES

After completing this course students will be better prepared to fully engage and succeed in their local and international academic and research communities.

REQUIRED TEXTBOOKS AND OTHER COURSE MATERIALS

There is not a required textbook for this course. Reading material will be provided as needed. It is expected that handouts and web-based assignments be read before each class session. Assistance with class assignments should be sought during office hours as needed. Sharing of notes and/or lecture recordings for later review is encouraged.

OTHER REQUIREMENTS

Course Prerequisites: This course is reserved for students enrolled in doctoral STEM programs and requires instructor's approval.

GRADING:

Assignments	10 %
Participation	65 %
Proposal	25 %

A	100 – 90 %	4.0
B	80 – 89 %	3.0
C	79 – 70 %	2.0
D	69 – 60 %	1.0
F	Less than 60 %	0.0

Students are expected to keep track of their performance throughout the semester and seek guidance from available sources (including the instructor) if their performance drops below satisfactory levels. ***All homework assignments are due by 11:59pm (CST) on the dates specified. Late submission is penalized at a rate of 10% credit per day. This will be enforced.***

GRADE GRIEVANCES

Any appeal of a grade in this course must follow the procedures and deadlines for grade-related grievances as published in the current undergraduate catalog.

DESCRIPTIONS OF MAJOR ASSIGNMENTS AND EXAMINATIONS

- **ALL assignments are due by 11:59pm (CST) on the specified date.** Any assignment, quiz or exam submitted after then will be considered late, unless prior arrangements have been made with the instructor.
- Late submission is penalized at a rate of 10% credit per day. **This will be enforced.**

COURSE SCHEDULE OUTLINE

Topics/Tasks	Date	Time and locations
Complete Progress Report and Review with Research Advisor	Jan 19-29, 2016	Submit Report by 1/29/2016
Publishing your STEM Experience Class Overview and Annotative Bibliography Assignment	February 17, 2016	
African American Faculty and Staff Association's Black History Month Event: "Ada Lois Sipuel Fisher and Her Fight to End Segregation" by Professor Cheryl Wattle, UNT Dallas College of Law	February 24, 2016	12:00PM-1:00PM Trimble Hall, Room 200
Group Class Open Discussion	March 2, 2016	12:00PM-1:00PM Geoscience, Room 233
Self-branding- developing a professional identity	March 9, 2016	12:00PM-1:00PM Geoscience, Room 233
UT Arlington ACES	March 23, 2016	University Center
Personal development (networking)	March 30, 2016	12:00PM-1:00PM Geoscience, Room 233
Conducting literature review for graduate research	April 6, 2016	12:00PM-1:00PM Geoscience, Room 233
Translating science for the public	April 13, 2016	12:00PM-1:00PM Geoscience, Room 233
Grant writing	April 20, 2016	12:00PM-1:00PM Geoscience, Room 233
Developing manuscripts	April 27, 2016	12:00PM-1:00PM Geoscience, Room 233
Preparing for "Beyond the Ph.D"	May 4, 2016	12:00PM-1:00PM Geoscience, Room 233

*Workshops require online registration

As the instructor for this course, I reserve the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course. –Dr. Ashanti Johnson

EXPECTATIONS FOR OUT-OF-CLASS STUDY

Beyond the time required to attend each class meeting, students enrolled in this course should expect to spend at least an additional 9 hours per week of their own time in course-related activities, including reading required materials, completing assignments, preparing for exams, etc.

ATTENDANCE: University policy will apply.

DROP POLICY

Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period. After the late registration period, students must see their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering. **Students will not be automatically dropped for non-attendance.** Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. For more information, contact the Office of Financial Aid and Scholarships (<http://wwweb.uta.edu/aao/fao/>).

AMERICANS WITH DISABILITIES ACT

The University of Texas at Arlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including the *Americans with Disabilities Act (ADA)*. All instructors at UT Arlington are required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Any student requiring an accommodation for this course must provide the instructor with official documentation in the form of a letter certified by the staff in the Office for Students with Disabilities, University Hall 102. Only those students who have officially documented a need for an accommodation will have their request honored. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at www.uta.edu/disability or by calling the Office for Students with Disabilities at (817) 272-3364.

ACADEMIC INTEGRITY

Students enrolled in this course are expected to adhere to the UT Arlington Honor Code:

I pledge, on my honor, to uphold UT Arlington's tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.

I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.

UT Arlington faculty members may employ the Honor Code as they see fit in their courses, including (but not limited to) having students acknowledge the honor code as part of an examination or requiring students to incorporate the honor code into any work submitted. Per UT System *Regents' Rule* 50101, §2.2, suspected violations of university's standards for academic integrity (including the Honor Code) will be referred to the Office of Student Conduct. Violators will be disciplined in accordance with University policy, which may result in the student's suspension or expulsion from the University.

STUDENT SUPPORT SERVICES

UT Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. Resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals, students may visit the reception desk at University College (Ransom Hall), call the Maverick Resource Hotline at 817-272-6107, send a message to resources@uta.edu, or view the information at www.uta.edu/resources.

ELECTRONIC COMMUNICATION

UT Arlington has adopted MavMail as its official means to communicate with students about important deadlines and events, as well as to transact university-related business regarding financial aid, tuition, grades, graduation, etc. All students are assigned a MavMail account and are responsible for checking the inbox regularly. There is no additional charge to students for using this account, which remains active even after graduation. Information about activating and using MavMail is available at <http://www.uta.edu/oit/cs/email/mavmail.php>.

STUDENT FEEDBACK SURVEY

At the end of each term, students enrolled in classes categorized as “lecture,” “seminar,” or “laboratory” shall be directed to complete an online Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail before the end of the term. Each student’s feedback enters the SFS database anonymously and is aggregated with that of other students enrolled in the course. UT Arlington’s effort to solicit, gather, tabulate, and publish student feedback is required by state law; students are strongly urged to participate. For more information, visit <http://www.uta.edu/sfs>.

FINAL REVIEW PERIOD

One class day prior to the final examination during this summer course shall be designated as a Final Review Period. The purpose of this period of time is to allow students sufficient time to prepare for final examinations. During this period, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week *unless specified in the class syllabus*. During the Final Review Period, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during the Final Review Period. During this period of time, classes are held as scheduled. In addition, instructors are not required to limit content to topics that have been previously covered; they may introduce new concepts as appropriate.

EMERGENCY EXIT PROCEDURES

Should we experience an emergency event that requires us to vacate the building, students should exit the room and move toward the nearest exit. When exiting the building during an emergency, one should never take an elevator but should use the stairwells. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist handicapped individuals.