Course Syllabus (Revised 26th September)

Course Information - Fall 2016

NATS 1101 Natural Sciences and Mathematics Seminar

NATS1101.**017**	NATS1101.**018**
Room: SLC 1.204	
Time: TR 10-10.50AM	TR 11-11.50AM

Final: None **Attendance is Mandatory**

Professor Contact Information

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Office Hours: Please set up appointment by email

Course Pre-requisites, Co-requisites, and/or Other Restrictions

Corequisite: UNIV 1010

Course Description

NATS 1101 Natural Sciences and Mathematics Freshman Seminar (1 semester credit hour) This course is designed to introduce incoming freshmen to the intellectual and cultural environment of the School of Natural Sciences and Mathematics (NS&M). Students will learn about plans of study and career paths for majors in Biology, Chemistry, Physics, Mathematics, Geosciences, and Science and Mathematics Education. Basic study, problem solving and other skills needed to succeed as an NS&M major will be covered. An overview of the connections within the disciplines of Natural Sciences and Mathematics will be presented, as well as their relationship to engineering, medicine and health, and other fields. Required for all first time in college freshmen in NS&M. Corequisite: UNIV 1010. (1-1) Y

Student Learning Objectives/Outcomes

Upon completion of this course:

1. **Begin the development of Critical Thinking Skills needed in the Scientific process**
2. **Begin the development of Communication Skills required to explain scientific concepts**
3. **Begin the development of Empirical and Quantitative Skills needed in the Scientific process**
4. **Begin the development of Teamwork needed in the Scientific process and community**
5. **Begin the development of Social and Personal Responsibility and ethics required in the world and society at large.**
6. **Understand how to develop and plan for long-term goals.**

Required Textbooks and Materials – NONE

Notes, supporting material, other resources will be posted on eLearning

Assignments & Academic Calendar

Faculty Topic Every Tuesday	**FYL Topics Every Thursday**	**Class Activity CLO**	**Assignment CLO**	**Week of Section 017 Section 018**
Introduction/ Take what you need activity	Getting involved in university life	2	MUST TAKE CLA+ in testing center	23-Aug-16
Invited Speaker Susan McKee "Academic Integrity and Academic Dishonesty"	Academic culture	5	Assignment 3 scenarios CLO:5,6	30-Aug-16
Bubble gum Activity	Time management	2, 4	Creativity and brainstorming CLO 1	6-Sept-16
Teamwork-Build a tower	Dealing with procrastination	4	Teamwork Skills CLO4	13-Sep-16
Project parameters In class project	Civil communication	1-6		20-Sep-16
Invited Speaker Pauline Minnar "Introduction to Career Center" and "Identifying your skills"	Campus services	6	Career goals CLO 6	27-Sep-16
How to read a science paper	leader choice, proposal format Managing stress	5	Assignment CLO 1-4	4-Oct-16
Visit to Library	FYL topic Diversity			11-Oct-16
Debate Parameters	No FYL class In class Debate prep	1-6	Draft Proposal due on 10/18/16	18-Oct-16
Debate	No FYL Class Debate continued		Summary on a debate topic 1-6	25-Oct-16
Comet Cents	FYL topic	5		1-Nov-16
In Class Project	Sex and alcohol/drug abuse	1-6		8-Nov-16
PALS Speaker	FYL last class			15-Nov-16
Fall Break				22-Nov-15
Project Presentations	Project Presentations No FYL class on 12/1/16	1-6	Final Proposal due	29-Nov-16

Project Presentations	Project Presentations No FYL class	1-6	.	6-Dec-16
Final Exam Days No class				14-Dec-15

Please note this is a tentative schedule.

Grading Policy:

Attendance and participation in class activities	**--**	**60%**
Semester project	**--**	**40%**
Total	**--**	**100 %**

Grade Category	Total Points	Percent
Attendance/In class activities/Assignments Answering questions/participating in activity/homework assignments Each activity is 50 points Attendance 200 points	600 pts	60%
Project Work	400 pts	40%
Draft Proposal-50 points Final Proposal-100 points Oral Presentations-250 points		
TOTAL—1000 points		100%

Grade ranges for ECS 1200 are: A+: 97-100; A: 93-96; A−: 90-92; B+: 87-89; B: 83-86; B−: 80-82; C+: 77-79; C: 73-76; C−: 70-72; D+: 67-69; D: 63-66; D−: 60-62; F: below 60.

Note: Grading policy subject to change!

Course & Instructor Policies

(make-up exams, extra credit, late work, special assignments, class attendance, classroom citizenship, etc.)

Exams: There are currently no formal exams in this course.

Homework: Activities will be announced during class.

Semester Project: The semester project will be assigned on the schedule above. Note that the project grade is a team grade including the presentation.

Class attendance: Class attendance is **MANDATORY** and attendance will be taken. Missed classes will affect your grade.

Off-campus Instruction and Course Activities

Below is a description of any travel and/or risk-related activity associated with this course.

Policies and Procedures for Students

The University of Texas at Dallas provides a number of policies and procedures designed to provide students with a safe and supportive learning environment. Brief summaries of the policies and procedures are provided for you http://provost.utdallas.edu/syllabus-policies/ and include information about technical support, field trip policies, off-campus activities, student conduct and discipline, academic integrity, copyright infringement, email use, withdrawal from class, student grievance procedures, incomplete grades, access to Disability Services, and religious holy days. UTD policy on campus carry can be found at https://www.utdallas.edu/campuscarry/

You may also seek further information at these websites:

- http://www.utdallas.edu/BusinessAffairs/Travel_Risk_Activities.htm
- http://www.utdallas.edu/judicialaffairs/UTDJudicialAffairs-HOPV.html
- http://www.utsystem.edu/ogc/intellectualproperty/copypol2.htm
- http://www.utdallas.edu/disability/documentation/index.html

These descriptions and timelines are subject to change at the discretion of the Professor.