

## COURSE SYLLABUS

NATS 1101 Natural Sciences and Mathematics First Year Seminar  
T R Section – SCI 2.215 NATS 1101.007      Time: 9:00 – 9:50 am  
T R Section – SCI 2.215 NATS 1101.008      Time: 10:00 – 10:50 am  
Final: NONE

### Instructor Contact Information

Jose Polio, M.A., Advisor II  
Office: NS&M Advising, CB (appointment required)  
Phone: ext. 2506 (NATS 1101 issues only – advising cannot be done by phone)  
Email: [jose.polio@utdallas.edu](mailto:jose.polio@utdallas.edu)  
Office Hours: as specified by the NS&M Advising Office (closed 1 pm – 2 pm daily)

**Course Pre-requisites, Co-requisites and /or Other Restrictions: *Co-requisite UNIV 1010*  
Required for all first time in college freshmen in NS&M.**

### Course Description

**NATS 1101 Natural Sciences and Mathematics First Year (Freshman) Seminar – 1 semester hour credit**

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

**The students will begin the transition from a successful high school student to a successful university student and responsible citizen**

#### This includes:

1. **Begin the development of team-based problem-solving skills needed in the scientific process**
2. **Begin the development of Communication Skills required to explain scientific concepts**
3. **Begin the development of Social and Personal Responsibility and ethics required in the world and society at large.**
4. **Begin to proactively engage in the university and explore long-term goals.**

Required Textbooks and Materials – none

Support Materials, other resources will be posted on eLearning

### Course Schedule

Week Dates	Tues: Faculty topic	Thurs: FYL topic
Aug 22 – Aug 28	Introduction, Course and Syllabus review	Introductions <i>High School v College</i>
Aug 29 – Sep 4	UTD Offices/ Policies	<i>Networking in college</i>
Sep 5 – Sep 11	Time Management	<i>Study Tips</i>
Sep 12 – Sep 18	Library Resources Meet at Library	<i>Life Skills</i>
Sep 19 – Sep 25	Self-care and campus resources	<i>TBD</i>
Sep 26 – Oct 2	Academic Advising & Degree planning	<i>TBD</i>
Oct 3 – Oct 9	Course planning for Spring 2023 Registration	<i>TBD</i>
Oct 10 – Oct 16	Student Organizations and Clubs	<i>TBD</i>
Oct 17 – Oct 23	Communication and Self Advocacy	<i>TBD</i>
Oct 24 – Oct 30	Goal Setting & Personal Values	<i>TBD</i>
Oct 31 – Nov 6	Final project assignment and discussion	<i>TBD</i>
Nov 7 – Nov 13	Final project work	<i>TBD</i>
Nov 14 – Nov 20	Final project work	<i>TBD</i>
Nov 21 – Nov 27	FALL BREAK	FALL BREAK
Nov 28 – Dec 4	Final project work	<i>TBD</i>
Dec 5 – Dec 8	Final Project Presentations	Finals Week