

Marshall University
Math 491: Senior Seminar

Semester and Year	Fall 2014
Course Title	Senior Seminar
Course Number	Math 491
Section Number	101
CRN	3284
Days and Time	Monday, Wednesday 10:00am - 10:50am
Location	Smith Hall 513
Credit Hours	2
Prerequisites	Permission
Instructor	Dr. Elizabeth Niese
Office	Smith Hall 743C
Phone	304 696 3609
E-mail	niese@marshall.edu
Office Hours	MW 1-2:30 PM, TH 9:30-10:30 AM other hours by appointment

Course Webpage

All important course information will be posted on our class MUOnline page.

Required Texts

None

Technology

Cell phones may not be used in class for texting or other social media.

Course Description: From Catalog

MTH 491 - Senior Seminar

Capstone experience in reading, doing, writing and speaking mathematics. Students will explore topics related to a theme chosen by the instructor. (PR: Permission). 2 hours

Student Learning Outcomes for this course	How students will practice each outcome in this course	How student achievement of each outcome will be assessed in this course
Students will improve written and oral communication skills with respect to mathematics	In class activities, Homework	Capstone paper, poster presentation
Students will improve ability to reason rigorously in mathematical arguments	In class activities, Homework	Capstone paper, poster presentation
Students will develop ability to undertake independent work	In class activities, Homework	Capstone paper, poster presentation
Students will advance their level of critical sophistication	In class activities, Homework	Capstone paper, poster presentation
Students will gain perspective on interplay of applications, problem-solving, and theory	In class activities, Homework	Capstone paper, poster presentation
Students will conduct research and make oral and written presentations on various topics	In class activities, Homework	Capstone paper, poster presentation

Assessments

Late assignments will only be accepted with an Excused Absence – university-sponsored activity, student illness, immediate family emergency, short-term military obligation, jury duty or court appearance, religious holiday. Please read the university policy on how to secure an Excused Absence. Most excused absences are obtained from the Dean of Student Affairs.

Late assignment must be turned in within 1 week after you return to class.

Homework and In-class Work: Homework assignments will be posted on our class MUOnline page and should be submitted there.

Homework assignments will include practicing L^AT_EX skills, rough drafts of your paper and poster, attending and participating in class activities, among others. Homework will be graded on completion.

Quality rough drafts are important – **no significant changes from the previous draft will count as no submission.**

Capstone paper: You will present the results of your capstone research in a paper of at least 10 pages, written in the typesetting program L^AT_EX. Your research paper is due **Wednesday, December 10, 2014, by 5:00pm.** Please submit the .tex file, along with any other necessary files (graphics, etc), electronically to MUOnline.

Capstone poster: You will present the results of your capstone research in a poster. Your poster is due electronically, in pdf format, on **Wednesday, November 19**, one week prior to the poster presentation.

The poster session will be **Wednesday, December 3, 4:00 - 5:00pm**. Please mark this date and time on your calendar today!

External judges: The poster presentation will be reviewed by external judges (not me). The results of the judges' scores will be included in your final grade.

Grading Policy

All drafts of your paper and poster will be submitted on-line and each will be checked for plagiarism. Any student who has any plagiarism on any draft will receive a 0 on the assignment and Academic Affairs will be notified.

Assignment	Points	Final Grade, Percent	Letter Grade
Homework and Class Attendance	200	90 - 100	A
Paper	100	80 - 89	B
Poster	100	70 - 79	C
Judges' scores	50	60 - 69	D
		0 - 59	F

Attendance Policy

Attendance will be taken every day and it will be graded as a homework assignment.

If you are absent with an Excused Absence, then please secure an Excused Absence immediately.

If you are absent for any reason, then it is your responsibility to make up any missed material.

Major Due Dates (Tentative)

Week 3	Sep 10	Research Proposal
Week 6	Oct 1	Annotated Bibliography
Week 8	Oct 15	Draft of Introduction
Week 9	Oct 22	Draft of Poster
Week 10	Oct 27, 29	Major Field Test
Week 12	Nov 12	Complete draft of paper and poster due
Week 13	Nov 19	Poster due
Week 14	Dec 3	Poster Presentation - 4pm
Finals Week	Dec 10	Paper due

Paper Recommended and Required Lengths

Week 5	Sept 24	Recommended 2+ pages
Week 6	Oct 1	Recommended 3+ pages
Week 7	Oct 8	Required: 4+ pages
Week 8	Oct 15	Recommended 5+ pages
Week 9	Oct 22	Recommended 6+ pages
Week 10	Oct 29	Required: 7+ pages
Week 11	Nov 5	Recommended 8+ pages
Week 12	Nov 12	Required: 10+ pages

University Schedule

The complete university schedule can be found at
www.marshall.edu/calendar/academic/fall2014.asp

University Policies

By enrolling in this course, you agree to the University Policies listed below. Please read the full text of each policy by going to

<http://www.marshall.edu/academic-affairs/policies/>

Academic Dishonesty, Excused Absence Policy for Undergraduates, Computing Services Acceptable Use, Inclement Weather, Dead Week, Students with Disabilities, Academic Forgiveness, Academic Probation and Suspension, Academic Rights and Responsibilities of Students, Affirmative Action, and Sexual Harassment.