HONORS SUPPLEMENTAL SYLLABUS – Math 220 Spring 2015

COURSE/TITLE/UNITS: MATH 220 ELEMENTARY DIFFERENTIAL EQUATIONS 3.0 UNITS

INSTRUCTOR: Jill Nelipovich

In addition to the regularly assigned coursework on the syllabus, the student will complete the following:

DESCRIPTION OF HONORS REQUIREMENTS

- 1. **Reading & Research Requirement:** Student will choose a topic within the realm of Differential Equations and/or Applied Mathematics. Student is expected to gain an in-depth understanding of the topic chosen. Both the instructor and student must agree on the topic chosen. A minimum of four outside sources are required including, but not limited to additional texts, research papers, journal articles and/or interviews with people studying in the field.
- 2. **Writing Requirement Topic of Interest*:** Student will complete a **5-page, single spaced in-depth research paper** on the mathematical research topic chosen, reached in consultation with instructor. A bibliography will be expected.
- 3. **Presentation to Class:** A presentation to the class on the mathematical topic chosen. Needs to include more than a verbal explanation, such as power point or board work (Minimum of 15 minutes).
- 4. **Class Participation and Leadership:** Student must participate in class discussions by being prepared for the topic(s) of the day and provide group leadership as necessary.
- 5. **Office Hour Contacts**: Make and keep a minimum of 4 appointments with your instructor. This will give you an opportunity to discuss your progress on your individual projects. Please set these appointments during the first 4 weeks of the semester.

OBJECTIVES: Upon successful completion of the course the student will be able to accomplish the learning objectives stated in the regular syllabus and the objectives listed below for the Honors contract:

- 1. Demonstrate critical thinking skills in their written report and oral presentation. (ILO1/ILO2,ILO3)
- 2. Access and interpret mathematical texts. (IL01, IL02, IL03,IL04)
- 3. Analyze various difficult problems as they relate to the mathematical topic. (ILO2)

REGULAR COURSE REQUIREMENTS

	Total Regular Points:	1000	points
Final Exam		300	points
Class Participation & Boardwork		50	points
Projects		100	points
Homework (Assigned per chapter)		100	points
Examinations (3)		450	points

HONORS SUPPLEMENTAL COURSE REQUIREMENTS

		Total Hamara Dainta.	250	!	
Of	fice Hour Contacts		25	points	HONORS
Cl	ass Participation and Leadership		25	points	HONORS
1	Presentation to Class		100	points	HONORS
1	Writing Requirement		200	points	HONORS

Total Honors Points: 350 points Maximum points achievable: 1350 points

Honors Syllabus: 35% extra course work