

**Naugatuck Valley Community College**  
**STEM Division**  
**Science, Technology, Engineering and Mathematics**

**Common Course Syllabus**  
**Math Education in Practice MAT\*H170**

**COURSE TITLE:** Math Education in Practice, MAT\*170

**COURSE DESCRIPTION:** This course provides students the opportunity to develop their communication skills in mathematics. Students will assist and tutor peers in mathematics using appropriate technology for a minimum of three hours per week for 14 weeks in the Academic Center for Excellence at Naugatuck Valley Community College under the supervision of a math instructor. The course may be taken up to three times for a maximum of 3 credit hours.

**NUMBER OF CREDITS:** 1 credit hour

**PREREQUISITE:** Grade of “B” or better in MAT\* H172 (College Algebra) with two letters of recommendation from math instructors at NVCC and permission of the Division Director, Math Department Chair, ACE Supervisor or a supervising instructor.

**COURSE RATIONALE:** Naugatuck Valley Community College has several programs which require students to develop a strong mathematical background. Students in these programs need to communicate mathematics verbally and in writing. This course offers an excellent opportunity for prospective teachers to expand their capability to communicate mathematical ideas through one-on-one and group tutoring using the appropriate technology.

**COURSE OBJECTIVES:**

1. Develop the ability to discuss, explain and communicate mathematical ideas.
2. Apply previously learned knowledge to assist students in the Academic Center for Excellence.
3. Demonstrate and apply a variety of problem solving and critical thinking strategies.
4. Work effectively with a diverse student population.

**LEARNING OUTCOMES:** At the end of this course the tutor will be able to do the following:

1. Communicate mathematics in writing through a weekly report and/or tutoring log.
2. Communicate mathematics verbally by discussing related field experience with the supervising instructor in the Academic Center for Excellence for 15 minutes bi-weekly.
3. Provide assistance and tutor students using the appropriate technology.
4. Gain practical experience in a teaching environment.
5. Explain mathematics concepts using multiple approaches.
6. Manage time effectively in tutoring several students in an open lab environment.
7. Suggest strategies for success in overcoming math and test anxieties resulting in an increased level of student confidence.

**COURSE OUTLINE:**

Week 1 & 2, the student will

- Observe tutoring sessions.
- Practice tutoring the instructor.
- Write a weekly log.

Week 3, the student will

- Tutor with supervision.

Week 4 through the end of semester, the student will

- Tutor with minimum supervision.

Final Exam, the student will

- Write a 4 – 5 page reflection paper on his/her field experience.
- Tutor one topic to the instructor.

**GRADING SYSTEM:** For the purpose of computing numerical credit point averages, grades are evaluated as follows for each semester hour of credit. Grades on exams, papers, and quizzes, will be based on this grading system.

Numeric Grade	Acceptable Letter Grade Range to be used by the instructor	Description
90 –100	A– to A	Excellent
80 – 89	B–, B, B+	Above Average
70 – 79	C–, C, C+	Average
60 – 69	D–, D, D+	Below Average
Below 60	F	Failing

**CLASS CANCELLATION PROCEDURE:** *If the instructor is late, the class is expected to wait 15 minutes before leaving or until informed of a cancellation by a college official. Information on weather related closings/late openings concerning Naugatuck Valley Community College can be obtained through local radio and television stations, or via the college website (<http://www.nvcc.comnet.edu>).*

**NOTE:** *An alternative assignment may be given if classes are canceled due to weather.*

**ACADEMIC HONESTY STATEMENT:** *At NVCC we expect the highest standards of academic honesty. Academic dishonesty is prohibited in accordance with the Board of Trustee's Proscribed Conduct Policy in Section 5.2.1 of the BOT Policy Manual. This policy prohibits cheating on examinations, unauthorized collaboration on assignments, unauthorized access to examinations or course materials, plagiarism, and other proscribed activities. Plagiarism is defined as the use of another's idea(s) or phrase(s) and representing that/those idea(s) as your own, either intentionally or unintentionally. Anyone who is caught cheating on exams, plagiarizing another's work or published material will fail the course regardless of progress made in the course.*

**CHILDREN ON CAMPUS:** *With permission of the instructor only – Children must be attended at all times by a responsible adult. The student must notify the instructor or supervisor prior to the beginning of the class or activity that a child is present. Instructors and/or supervisors are authorized to ask the student or program participants to leave should the presence of a child be disruptive.*

**CELL PHONE/PAGER USE POLICY:** *Students are hereby notified that cellular phones and beepers are allowed in class only if they are turned off or turned to a silent mode. Under no circumstances are telephones to be answered in class. Students who ignore this policy may be asked to leave class. When there are extenuating circumstances that require that a student be available by phone or beeper, the student should speak to the instructor prior to class, so that together they can arrive at an agreement concerning the device.*

**STUDENTS WITH SPECIAL NEEDS:** *Students who may require accommodations on the basis of a learning disability are encouraged to contact the Coordinator of Learning Disabilities. Students who may require accommodations on the basis of all other disabilities should contact the Coordinator of Disability Services. After providing documentation and completing the disability disclosure process, students are then encouraged to meet with their instructor(s) to discuss the accommodations approved by the appropriate Coordinator and to complete the Accommodations Agreement form. Accommodations are not retroactive, students are therefore encouraged to meet with their instructor(s) at the beginning of each semester. Instructors, in conjunction with appropriate college personnel, will provide assistance and/or accommodations only to those students who have completed the disability disclosure and accommodations process.*