



Course Syllabus

MTH 2700

Arts & Sciences Division

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| Class Days: | Class Time: |
| Location: Classroom: | Laboratory: |
| Credit Hours: 1 | Lab Hours: |
| Contact Hours: | Lecture Hours: 1 |

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|---------------------------------------|--|
| Instructor: Rudy Sattler | Office Location: |
| Phone: | Email Address: rsattler@terra.edu |
| Office Hours: | |
| Division Office/Location: A202 | Division Fax: 419/355-1248 |
| Full-time Contact Person: | Phone(s): |

Course Description:

Prerequisite(s):

Co-requisite(s):

Entry Level Skills and Knowledge:

Required Texts, Supplies and Equipment:

1. Mathematics for Medical Careers, Published August, 2006 by Rudy Sattler, author (available in the college bookstore).
2. Calculator

Grading:

Learning Outcomes:

1. To express a number in scientific or engineering notation.
2. To add, subtract, multiply, and divide fractions.
3. To convert numbers between and among systems.
4. To perform simple algebra.
5. To balance chemical equations.
6. To solve stoichiometry problems.

Assessment of Student Learning:

Plan of Work:

| Session | Date | Activities: |
|---------|----------|--|
| Week 1 | 8/21/06 | Introduction Scientific Notation |
| Week 2 | 8/28/06 | Order of Operations Quiz #1 |
| Week 3 | 9/04/06 | Adding & Subtracting Fractions Adding & Subtracting Mixed Numbers |
| Week 4 | 9/11/06 | Multiplication & Division of Fractions Quiz #2 |
| Week 5 | 9/18/06 | Converting Fractions to Percents With Analysis |
| Week 6 | 9/25/06 | Unit Analysis Apothecary, Household, & Metric Systems |
| Week 7 | 10/02/06 | Apothecary, Household, & Metric Systems Quiz #3 |
| Week 8 | 10/09/06 | Solving Algebraic Expressions & Equations Solving Algebraic Expressions & Equations |
| Week 9 | 10/16/06 | Quiz #4 Multiplication of Monomials |
| Week 10 | 10/23/06 | Multiplication of Monomials Quiz #5 |
| Week 11 | 10/30/06 | Factoring Factoring |
| Week 12 | 11/06/06 | Quiz #6 Balancing Chemical Equations |
| Week 13 | 11/13/06 | Balancing Chemical Equations Quiz #7 |
| Week 14 | 11/20/06 | Stoichiometry Stoichiometry |
| Week 15 | 11/27/06 | Final Exam Final Exam |

Course Requirements:

Grading Scale:

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|--|---------------------|
| Homework 20% | 90-100 = A |
| Quiz Avg. 50% (lowest quiz dropped) | 80 -90 = B |
| Final Exam 30% | 70-80 = C |
| | 60-70 = D |
| | < -60 = F |

Policies

Course Withdrawing: If for any reason you need to withdraw from this course, be certain that you do so according to College procedure. It is your responsibility to know and follow this procedure. If you simply stop coming to class, without officially withdrawing from the course, your grade is an automatic “F.” Please follow official College procedure for withdrawing from this or any course.

College Academic Policies are located in the College Catalog. A copy of the current catalog may be picked up in any of the division offices or admissions. The list of college policies is also available online at <https://www.terra.edu/register/Collegecat/policies.asp>.

Support Services: The College offers a number of support services to assist in your success in this course and all courses. Among these services are the Writing & Math Center in B105, the Office of Learning Support Services, which coordinates the campus disability services and tutoring programs, the computer labs, and the computers in the atriums.

Any student who feels he/she may need an accommodation based on the documentation of a disability should contact the Office of Learning Support Services privately to discuss his/her specific issues. Please contact the OLSS at (419) 334-8400 X 208 or visit 100 Roy Klay Hall (Building A) to coordinate reasonable accommodations.

If you have a documented disability and are receiving academic accommodations through the Office of Learning Support Services, please schedule a meeting with your instructor in a timely manner so that we may discuss how these services will be arranged.

Tutoring services are available to students beginning the second week of every quarter. Students requesting tutoring services should obtain a tutor request form from the OLSS in 100 Roy Klay Hall (Building A) or online at the Terra website. Please note that instructor verification and acceptance of the Student Learner Agreement is necessary for all tutoring requests. All requests should be submitted to 100 Roy Klay Hall (Building A).