MATH 557—APPLIED ANALYSIS I—SPRING 2011 SEMESTER—WWW SECTION

INSTRUCTOR: Michael Gray, Ph.D.
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LINK TO BLACKBOARD: http://blackboard.nicholls.edu

OFFICE HOURS
MW 11:00-2:00, TR 11:00-1:00. Instructor will be available for consultation via phone, e-mail or in the Blackboard virtual classroom during these times, or by appointment. Instructor will also check e-mail and Blackboard periodically throughout the day on every day Monday through Friday. Other means of communication TBA.

COURSE DESCRIPTION
Differential and integral calculus; topology and metric spaces on the real line.

PREREQUISITE
A grade of C or better in Math 358 Foundations of Mathematics is required for enrollment.

MATERIALS

STUDENT OUTCOME OBJECTIVES
Upon completion of this course, students will be able to:
• Prove and apply theorems concerning
  o Sets, sequences, and functions of real numbers;
  o Differentiation and integration;
  o Metric spaces and topological spaces; and
• Format mathematical writing using modern word processor software.

COURSE CONTENT AND EVALUATION METHODS
The course will be conducted via the internet using Blackboard and email, and has zero on-campus meeting requirements. The URL for the university’s distance learning website is http://www.nicholls.edu/distance/. Frequently asked questions about internet courses can be viewed at http://www.nicholls.edu/distance/faqs/ A download for minimum computer requirements for taking a course on Blackboard can be found in the FAQs site given above. A Blackboard tutorial can be viewed at http://www.nicholls.edu/distance/blackboard-tutorial/.

Grades are based on the average of 10 homework papers. The standard grading scale applies. All graded material must be typeset into a format readable by standard word processor software, such as Microsoft Word or Adobe Acrobat, and e-mailed to your instructor as an attachment. Topic notes and homework assignments will be posted on Blackboard. Homework will be assigned and collected according to the following schedule.

<table>
<thead>
<tr>
<th>Item</th>
<th>Date Assigned</th>
<th>Due Date</th>
<th>Grade Scale</th>
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<tbody>
<tr>
<td>HW 1</td>
<td>Thursday, January 27</td>
<td>Friday, February 11</td>
<td>A 90 - 100</td>
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<tr>
<td>HW 2</td>
<td>Thursday, February 3</td>
<td>Friday, February 18</td>
<td>B 80 - 89</td>
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<td>HW 3</td>
<td>Thursday, February 10</td>
<td>Friday, February 25</td>
<td>C 70 - 79</td>
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<td>HW 4</td>
<td>Thursday, February 17</td>
<td>Friday, March 4</td>
<td>D 60 - 69</td>
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<td>HW 5</td>
<td>Thursday, February 24</td>
<td>Friday, March 18</td>
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<td>HW 6</td>
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<td>HW 7</td>
<td>Thursday, March 17</td>
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<td>HW 8</td>
<td>Thursday, March 24</td>
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<td>HW 9</td>
<td>Thursday, March 31</td>
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<tr>
<td>HW 10</td>
<td>Thursday, April 7</td>
<td>Friday, May 6</td>
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Graded material will be scanned and return to students via e-mail. The early assignments will be simple enough to allow students to focus on learning how to use software to write mathematical papers.

All assignments are due by 11:59 p.m. (Nicholls State local time, Central Time Zone) on the specified date. Assignments turned in late will be docked 10 points per day for the first three days and 70 points on the fourth day, unless special arrangements are made in advance of the due date.

Students may discuss homework problems with other students and with their instructor, but each student is expected to turn in his or her own work. Plagiarism will not be tolerated.

MAKE-UP POLICY
Homework assignments cannot be made up, except in extreme circumstances at the instructor’s discretion.

AMERICANS WITH DISABILITIES ACT
If you have a documented disability that requires assistance, you will need to register with the Office of Disability Services for coordination of your academic accommodations. The Office of Disability Services is located in Peltier Hall, Room 100-A. The phone number is (985) 448-4430 (TDD 449-7002).

ACADEMIC HONESTY POLICY
Nicholls State expects all students to maintain absolute integrity and a high standard of individual honor in all academic work. Students caught cheating will be disciplined according to the process described in Section 1.9 of the Code of Student Conduct.

ACADEMIC GRIEVANCES
The proper procedure for filing grade appeals or grievances related to academic matters is listed in Section 5 of the Code of Student Conduct and at the following link: http://www.nicholls.edu/documents/student_life/code_of_conduct.pdf.

BEHAVIORAL POLICY
Students must behave in a professional manner at all times. Inappropriate behavior exhibited through any means (phone, email, message boards, etc.) will not be tolerated.

DROP DATE
The last day to drop the course with a “W” is Monday, March 28, 2011.

OTHER IMPORTANT 2011 SPRING SEMESTER DATES
- Mon-Wed, March 7-9  Mardis Gras/Ash Wednesday; university closed
- Fri-Fri, April 22-29  Good Friday/Spring Break; university closed
- Thursday, May 12  Final grades due at 9:00 a.m.

CONTINUED LEARNING FOLLOWING AN EXTREME EMERGENCY
To make continued learning possible following an extreme emergency, students are responsible for:
- reading regular emergency notifications on the NSU website;
- knowing how to use and access Blackboard;
- being familiar with emergency guidelines;
- evacuating textbooks and other course materials;
- knowing their Blackboard student login and password;
- contacting faculty regarding their intentions for completing the course.

Faculty are responsible for:
- their development in the use of the Blackboard;
- having a plan for continuing their courses using only Blackboard and email;
- continuing their course in whatever way suits the completion of the course best, and being creative in the continuation of these courses;
- making adjustments or compensations to a student’s progress in special programs with labs, clinical sequences or the like only in the immediate semester following the emergency.