

SYLLABUS AND COURSE INFORMATION Spring 2013
MATH 331– Discrete Mathematics
Meets 1/14/2013 through 5/10/2013; TTR: 9:30-10:45PM, Room: Bin 326

Instructor: Dr. Nikolay Metodiev Sirakov **Office:** Binnion 322
Office Hours: W 9:30AM-12:30PM **E-mail:** Nikolay.Sirakov@tamuc.edu
F 9AM- 11AM **Office Phone:** 903 886 5943
Additional by appointment

For more information, please visit: URL: <http://faculty.tamuc.edu/nsirakov>

COURSE DESCRIPTION

Text: **Discrete Mathematics, Fifth Edition, Kenneth A. Ross, Charles R.B. Wright, Prentice Hall**

Course Content: Chapters 1-4, and 10: Sets, Sequences, Functions, Elementary Logic and Relations; Induction and Recursion, Algorithms, Digraphs, Boolean Algebra. **Pre-requisite:** Math 192

Students Learning Outcomes: The students will learn, understand and will be able to apply the concepts of sets and operations with sets, sequences, functions, graphs, methods of proofs, diagrams and graphs, relations and partitions, induction and recursion. The students will know how to determine factors and multipliers. They will learn the main components of proofs and how to use them. The students will understand the concept algorithm, as well as how to design and assess the complexity of an algorithm. They will study also the link between Boolean algebra and computers.

COURSE EVALUATION

Basis for Evaluation:

In-class Exams	- 44%
HW, In-class problems	- 12%
Short quizzes	- 16%
Comprehensive final exam	- 28%

Grading Policy: **A:** 100% - 90%
B: 89% - 80%
C: 79% - 70%
D: 69% - 60%
F: Less than 59 %

The professor reserves the rights to reward students for continuous hard work.

Additional Performances: In class check problems; Home Practice Problems; Extra Credit Problems

Final Test Section: 331.001 Date: Tuesday May 07, 2013 Time: 8AM-10AM
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COURSE POLICIES

In-class problems: *are to be solved during the class period. No makeup is allowed.*

Short quizzes: *are to be solved independently during the class period. No makeup is allowed.*

Tests: *The in-class exams will be given roughly at regular intervals. Students will be informed of the test dates around a week in advance. The test will take one class period and will be given at the scheduled times only. No opportunity will be given to take the test at earlier or later times except in cases of formal institutional excuses.*

Makeup: *Except in the case of a formal institutional excuse, no individual makeup test will be permitted.*

Cheating: test, quizzes, HW and ECP results will be canceled in case of cheating.

Students requesting accommodations for disabilities must go through the Academic Support Committee. For more information, please contact the Director of Disability Resources & Services, Halladay Student Services Bldg., Room 303D, 903 886 5835.

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment (**See Student's Guide Handbook, Policies and Procedures, Conduct**).

About the library computer lab you may contact Karen_Akins@tamuc.edu or Ph: 903-886-5728