



Duluth High School

HIGH SCHOOL COURSE SYLLABUS



COURSE TITLE Discrete Mathematics (S2)

TERM..... Spring 2013

TEACHER..... Mr. Curlette

ROOM #..... 505

Email Address	David_Curlette@gwinnett.k12.ga.
Teacher Web Page	
Teacher Support (Help sessions etc.)	www.CurletteMath.com & tutoring times are posted in class

COURSE DESCRIPTION (*Published in the Choice Book*)

This course is designed to study objects and ideas that can be divided into separate or discontinuous parts. Topics include problem-solving, reasoning, communication, decision-making, graph theory, combinatorics, discrete probability, recursion, matrices, sets, logic function and relations, real number systems, and algebraic structures. Prerequisites: Integrated Algebra 2

COURSE CURRICULUM CONTENT

The entire list of Academic, Knowledge and Skills for each of the following curriculum strands in this course can be accessed through the district web address at www.gwinnett.k12.ga.us

AKS STRANDS	UNITS/TOPICS
A. Process Skills B. Number and Operations D. Algebra F. Reading Across the Curriculum	1. Election Theory 2. Fair Division 3. Matrix Operations and Applications 4. Graphs and Their Applications 5. More Graphs, Subgraphs, and Trees 6. Counting and Probability 7. Matrices Revisited 8. Recursion

INSTRUCTIONAL MATERIALS AND SUPPLIES

Published Materials	Instructional Supplies
Discrete Mathematics Through Applications	1) Notebook – 3 ring binder or spiral 2) Pencils – for notes, quizzes, tests 3) Graph Paper – for making charts 4) Calculator – recommended 5) Composition Notebook for quizzes

EVALUATION AND GRADING

Assignments	Grade Weights	Grading Scale
Daily work & Homework Lab and Calculator Work Section Quizzes Unit Tests Final Exam	<u>Class Assessments</u> Homework / Daily Tasks 10 % Section Quizzes 20 % Project/Labs 15% <u>Summative Assessment</u> Tests 35 % Performance Final 5 % <u>Final Exam</u> Final Exam 15 %	A: 90 and above B: 80 – 89 C: 74 – 79 D: 70 – 73 F: 69 or below

OTHER INFORMATION

Expectations for Academic Success	Additional Requirements/Resources
1) Ask questions 2) Answer questions in class 3) Complete ALL Assignments 4) Participate constructively as a team member 5) Challenge yourself to continuously improve 6) Be prepared to think throughout class everyday <i>“Early is on time, On time is Late, and Late is Unacceptable”</i>	<ul style="list-style-type: none"> • Tutoring Available • NHS & Beta Tutoring

The syllabus may be updated as needed throughout the semester.