

D-Academy

**HM Plaza Muree Road,
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Course Name	GRE
Medium of Instruction	English
Authorization	Educational Testing Service (ETS)
Institution	D-Academy & AGSA Consultancy

GRE Syllabus: An Overview

The Graduate Record Examination (GRE) score is used as a criterion for admission into graduate-level courses across the globe. The GRE exam tests the candidate's aptitude among three segments- Quantitative Reasoning, Verbal Reasoning and Analytical Writing. The Quantitative and Verbal sections can be scored in the range of 130-170 marks with one mark increment for each correct answer. Analytical Writing is scored between 0-6 with intervals of 0.5 marks.

The total test takes 3 hours and 45 minutes. The Analytical Writing segment always comes first and it takes 30 minutes for each of the two questions. The Verbal Reasoning segment is divided into two sections of 20 questions each and 30 minutes is allotted to per section. The Quantitative Reasoning segment is similar to the Verbal section in structure, but gives you 35 minutes per section.

Course Objectives

The objectives of this course are as under

- To provide graduate and post graduate students with a comprehensive understanding of the GRE exam structure, including all sections (Verbal, Quantitative, and analytical Writing).
- To improve students' critical thinking, problem-solving, and reasoning skills for tackling GRE questions effectively.
- To refine students' abilities in Analytical Writing by teaching how to construct clear, logical, and well-supported essays.

Learning Outcomes

Students will be able to:

1. Gain a clear understanding of the GRE format and question types across all sections
2. Develop critical thinking and problem-solving abilities for the verbal and quantitative sections
3. Strengthen analytical writing abilities to create well-structured, logical essays.

Target Audience

The target audience of the GRE includes undergraduate students and graduates seeking admission to graduate or professional programs, including masters and doctoral degrees in various fields such as engineering, sciences, business, and social sciences. It also includes international students applying to universities that accept GRE scores.

Teaching and Learning Methodologies

- Lecturing
- Written Assignments
- Class discussions and quizzes
- Critical analysis of given topics
- Audio/visual aids

Requirements

Attendance has to be ensured by students. They are also suggested to come in the class with a prior knowledge of the subjects classified under GRE.

Grading breakdown

Assessment Instrument Percentage:

Quizzes	15%
Assignments	10%
Midterm Exam of GRE	35%
Final Exam	40%

Sections and Topics of GRE

Sno.	Topic	Week/Date	Content	Assignment
1	Introduction to GRE	Week 1	Overview of GRE exam, sections, and scoring	
2	Analytical Writing	Week 1	Structure of Issue and Argument Essays	
3	Quantitative Reasoning: Basics	Week 1	Introduction to Quantitative Reasoning, Problem Solving strategies	
4	Quantitative Reasoning: Algebra	Week 2	Algebraic concepts, Linear Equations, Inequalities	Assignment no.1
5	Verbal Reasoning: Reading Comprehension	Week 2	Strategies for Reading Comprehension questions	
6	Verbal Reasoning: Text Completion and Sentence Equivalence	Week 2	Strategies for Text Completion and Sentence Equivalence	Quiz no.1
7	Quantitative Reasoning: Geometry	Week 3	Geometry concepts, Circles, Triangles, Polygons	
8		MIDTERM		
9	Verbal Reasoning: Vocabulary Building	Week 4	Advanced Vocabulary, Word Roots, Prefixes & Suffixes	Quiz

10	Analytical Writing: Argument Essay	Week 4	Argument Essay strategies, Strengthening and Weakening Arguments	Written Practice in Class
11	Quantitative Reasoning: Data Interpretation	Week 5	Data Interpretation, Graphs, Tables	Quiz no.2
12	Verbal Reasoning: Sentence Equivalence	Week 5	Sentence Equivalence strategies	Assignment no.2
13	Verbal Reasoning: Critical Reasoning	Week 6	Critical Reasoning strategies	Quiz no.3
14	Quantitative Reasoning: Advanced Topics	Week 6	Advanced Quantitative concepts, Probability, Statistics	
15	Full Practice Test	Week 7	Full-length practice test, timed conditions	
16	REVISION	Week 7	Final Revision and Strategy, Test-taking tips	
17	FINAL EXAM	Week 7		

The GRE Exam Syllabus

1. Analytical Writing

This section has two types of questions viz, Analyze an Issue and Analyze an Argument. This section is designed to test the candidate's ability to think critically and articulate the points to support their ideas in a clear and structured manner.

(i) **Analyze an Issue:** In this question, the candidate is asked to take a view on the issue given, and elaborate on why they've taken that position. This tests the critical thinking ability of the candidate.

(ii) **Analyze an Argument:** While the candidate is asked to take a side in analyze an Issue, here they're presented with one. The candidate's job is to evaluate the position taken by the author. This tests the logical thinking ability of the candidate.

2. Verbal Reasoning.

This section has three types of questions. It measures the candidate's ability to draw assumption from incomplete data, understand the meanings of words and understand the structure of a text. This section requires the candidate to have a healthy vocabulary.

a) Reading Comprehension

The passage for this part is taken from everyday academic topics. The length of the paragraph can range from one to five. The candidate has to read, understand and answer the questions either in multiple-choice format of selecting in-sentence.

b) Text Completion

This involves a paragraph of the length of 5 sentences, where there can be one to three blanks. The candidate has to pick the correct option and there are no marks for partially correct answers.

(c) **Sentence Equivalence:** There will be one sentence given with one blank. The candidate has to choose two options out of the six, such that the meaning of the sentence is similar for both the options.

3. Quantitative Reasoning: This section tests the high school math aptitude of the candidate. There are no tough problems solving topics like calculus or trigonometry. The candidates can make use of the on-screen calculator available.

The topics involved are:

1. Arithmetic: Percent, Ratio, Rate, Sequence, Factorization, Decimal Representations.
2. Algebra: Exponents, Algebraic Expressions, Relations And Functions, Quadratic Equations, Inequalities, Coordinate Geometry, Graphs, Intercept, Slopes.
3. Geometry: Circles, Triangles, Types Of Triangles, Cylinder, Quadrilateral, Polygons, Concurrent And Similar Figures, Area, Perimeter, Volume, Pythagoras Theorem.
4. Data Analysis: Mean, Median, Mode, Standard Deviation, Quartiles And Percentiles,

Line, Bar, Pie Graphs, Probability, Conditional Probability, Random Variables, Permutations And Combinations.

This Syllabus is systematically drafter by ms. Tehmina Ejaz (Director D-Academy) considering the curriculum and syllabus requirements of the particular course.

Note: The necessary changes in the syllabus can be done effectively if required.



