ECN442 Mathematical Economics II (2 Units)

Department of Economics

Covenant University
1. ECN442

1.1. ECN442 Mathematical Economics II (2 Units)

Difference equations and Markov chains; general equilibrium analysis, welfare economics, theory of the second best and compensation principles, advanced treatment of mathematical programming models (dynamic and goal programming). Development of optimal control theory and its application with emphasis on Bellman and Pantryagin approaches. Game theory and applications.

PROGRAMME 2: DEMOGRAPHY AND SOCIAL STATISTICS

B.Sc. DEMOGRAPHY AND SOCIAL STATISTICS

ADMISSION REQUIREMENTS

Candidates seeking for admission into any of the 4-year programme in the department of Economics and Development studies should fulfil the following requirements:

He or She should possess at least five credit passes in not more than two sittings in the Senior School Certificate (SSCE), General Certificate of Education (GCE) or National Examination Council or their equivalents in the following subjects:

a) English Language

b) Mathematics

c) Economics and

d) Any other two subjects

2. The candidate must also sit for the current JAMB examination and obtain the prescribed cut-off mark in the relevant subject

3. The candidate must pass the screening test conducted for all applicants by Covenant University (known as CUSAS) for the programme.
GRADUATION REQUIREMENT

To graduate from the 4-year Bachelor of Science degree programme in Demography and Social Statistics, students must have completed a minimum of 184 credit units as shown below:

Required Units for graduation B.Sc. Demography and Social Statistics Programme.

COURSE STRUCTURE