

TEMPLATE FOR COURSE SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

COURSE SPECIFICATION

This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification.

[illegible]

9. Learning Outcomes, Teaching ,Learning and Assessment Methode

A- Cognitive goals.

A1. Enabling the students to understand the basics of the scientific subjects

A2. Providing the students with the maximum amount of mathematical terms and definitions

B. The skills goals special to the course.

B1. Providing the students with the sufficient amount of mathematical terms and definitions.

Teaching and Learning Methods

Lectures, Homework, some activities in the class, Electronic references

Assessment methods

Pre final exam 40%

Final exam 60%

C. Affective and value goals

C1. Understanding the definition of function, continuous function ,
Limit and their applications

C2. Enabling the students to solve the problems about differentiation

Teaching and Learning Methods

Presenting on the wight board

Assessment methods

Final exam 60%

Total 100%

D. General and rehabilitative transferred skills (other skills relevant to employability and personal development)
D1. Providing the students with mathematical skills about differentiation to solve some real life problems

10. Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1-2	8	Mathematical Induction	Summation/induction	lectures	
3-6	16	Complex numbers	Definitions/ Solutions	lectures	
7-9	12	Complex numbers	Polar/Demouwer/sq. root /root of complex	lectures	
10-11	8	Matrices	Linear Systems	lectures	
12-13	8	Polynomials	Definition /Properties/no.of root	lectures	
14-15	8	Polynomials	Cardan method/Solution of nonlinear	lectures	

11. Infrastructure

1. Books Required reading:	د. مصطفى احمد , د. جلال نعوم , د. محمد سردار
2. Main references (sources)	د. رياض شاکر نعوم , د. سليم الکتبي, د. کاظم محمد الصومعي
A- Recommended books and references (scientific journals, reports...).	Mathematics with application brief version
B-Electronic references, Internet sites...	Google.com

12. The development of the curriculum plan

Including some real life applications

