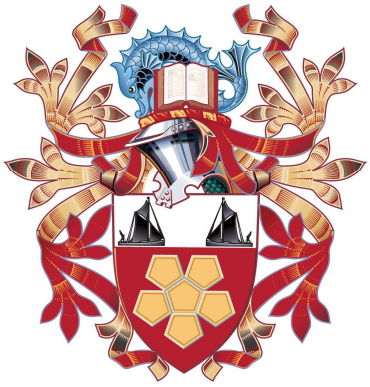

London South Bank University

EST 1892

Module Information

Numerical Methods for Bioscientists

ASC_4_410_1718

School of Applied Sciences

Level 4

Table of Contents

1. MODULE DETAILS

Module Title:	Numerical Methods For Bioscientists
Module Level:	Level 4
Module Reference Number:	ASC_4_410_1718
Module Coordinator:	Dr Aseel AL-Qutbi
MC Contact Details (Tel, Email, Room)	alqutba2@lsbu.ac.uk, FW-310
Teaching Team & Contact Details (If applicable):	Dr. Lisa Zaidell, 02078157986, zaidell2@lsbu.ac.uk, E-226

2. ASSESSMENT OF THE MODULE

Coursework 1 will consist of 4 assessment sheets completed after practicals. You can expect to get feedback within 3 weeks of handing in your work. It will count 40% towards the module mark. Examination 1 will count 60% towards the module mark.

3. INTRODUCTION TO STUDYING THE MODULE

3.1 Overview of the Main Content

The module will cover the mathematical skills needed for a profession in the biosciences. The teaching and student work will be done in the context of bioscience professions.

3.2 Overview of Types of Classes

The module will run on a 3 week cycle which will run 4 times. Week 1 of each cycle will be a lecture and tutorial. Weeks 2 and 3 of each cycle will be a practical class attended by half of the students each time. Each student will attend for one of the 2 weeks. There will be 4 different practicals. Week 13 will be a mock examination self-marked in class.

4. THE PROGRAMME OF TEACHING, LEARNING AND ASSESSMENT

SEMESTER 2	
WEEK	**TOPIC**
1	Maths lecture and tutorial
2, J301	Specific gravity practical for Group 1
3, J301	Specific gravity practical for Group 2
4,	Maths lecture and tutorial
5, J301	Microscopy Practical for Group 1
6, J301	Microscopy Practical for Group 2
7	Maths lecture and tutorial
8, J302	Enzyme assay practical for Group 1
9, J302	Enzyme assay practical for Group 2
10	Maths lecture and tutorial
11, E257	Physiology Practical for Group 1
12, E257	Physiology practical for Group 2
13	Mock Exam

5. LEARNING RESOURCES

1. Core Reading

Bryson, E. Willis, J. 2016. Foundation mathematics for bioscience

2. Optional reading

Jeffrey, A. Mathematics for engineers and scientists.