

**Information sheet- 2024/25**  
**ADE3200 - Applied Calculus I**  
**Level 03- Applied Mathematics**  
**Department of Mathematics**  
**The Open University of Sri Lanka**

This document contains very useful information related to the continuing education course ADE3200 - Applied Calculus I, offered by the Department of Mathematics at Level 03, under the discipline of Applied Mathematics. The information given in this document is useful for you to successfully complete this course.

### 1.0 About the Course

The main aim of the course is to enhance competencies in analysing the behaviours of graphs, and to strengthen the understanding of key concepts related to limits and derivatives that are crucial to solve elementary applied problems.

Course Code	Course Title	Credits	No of Books	Semester	Course Coordinator(s)	Day School Conductor
ADE3200	Applied Calculus I	2	2	1	Dr. W.C.W. Navaratna/ Ms. S.M.N.S.K. Seneviratne	Ms. S.M.N.S.K. Seneviratne

### 2.0 Day Schools (DS)

The DS will not take the form of conventional lectures. For a course of 3-credit or 2-credit there will be 10 hours day schools and 3 hours revision day school. These day schools are particularly designed to give the student an opportunity to get the doubts in the course material/course clarified.

### 3.0 Evaluation:

Evaluation procedure involves both continuous assessment tests and final examination. A student's progress is assessed continuously for a course by two continuous assessments tests (CAT1 and CAT2). To be eligible to sit the final examination of a course, a student should score a minimum of 35% for its continuous assessment tests, which will be valid for two years. You are advised to do very well in these tests because it goes a long way to determine your CAM Mark to sit for the Final Examination at the end of the course. There will be assessment test for all Courses. CAT1, CAT2 and Final examinations are held at the following Regional and Study Centres.

**Level 3** – All Regional Centres + Kalutara, Gampaha, Kegalle, Galle, Polonnaruwa, Puttalam and Trincomalee Study Centres

**Levels 4 & 5** - All Regional Centres + Kalutara, Gampaha, Kegalle, Galle, Trincomalee, Puttalam Study Centres

### 3.1 Final Examination

The Final Examination paper will be of two (02) hours duration. and the paper consists of two parts : Part A and Part B.

Part A consists of Multiple Choice Questions/ Short Questions/ 1 structured essay question/ 1 essay question and is **compulsory**.

Part B consists of five (05) essay questions of which three (03) has to be answered.

### 3.2 Application to sit the final examination

In each semester students are required to apply for the Final Examination online.

#### 4.0 Calculating CAM mark and Overall mark

##### 4.1 Calculating the CAM mark

Out of the two testes (CAT1, CAT2) if

A  $\longrightarrow$  Maximum mark  
B  $\longrightarrow$  Minimum mark

$$\text{CAM} = A(60\%) + B(40\%)$$

##### 4.2 Calculating the Overall Mark

**Overall Mark:** For the courses offered by the Faculty of Natural Sciences, overall mark, “Z%” will be computed by a combination of the Continuous Assessment Mark(CAM), “X%” and the Final Examination Mark (FEM), “Y%” as follows.

$$\text{If } Y \geq 40, \text{ then } Z = 0.4X + 0.6Y$$

$$\text{If } 30 \leq Y < 40, \text{ then } Z = 0.4X + 0.6Y, \text{ subject to a maximum of 40.}$$

$$\text{If } Y < 30, \text{ then } Z = Y$$

#### 5.0 Learn OUSL

There are online supplementary courses available in the Learn OUSL for Level 3 Applied Mathematics Courses. The students are strongly advised to receive the fullest benefit from the resources provided through Learn OUSL.

#### 6.0 Contact Names and Telephone Numbers:

**If you need further information regarding these courses or if you have not received the course materials in time, please contact us immediately.**

Course Coordinator	Contact No	Email
Dr. W.C.W. Navaratna	0112881019	<a href="mailto:wper@ou.ac.lk">wper@ou.ac.lk</a>
Ms. S.M.N.S.K. Seneviratne	0112881443	<a href="mailto:smnse@ou.ac.lk">smnse@ou.ac.lk</a>

We wish you every success in following this course.