

PEU4315

CONTINUOUS FUNCTIONS

FACULTY OF NATURAL SCIENCES

BACHELOR OF SCIENCE

PURE MATHEMATICS: LEVEL 4

Course Information

Course Code	PEU4315
Level	04
Course Title	Continuous Functions
Credit Value	03
Core/Optional	
Prerequisites	

Lecturer's Information

Name	Mr. M. I. Irshad
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PEU4315 - Schedule

Date	Day	Activity	Time
20/06/2023	Tuesday	DSA1	01.00 PM - 03.00 PM
		DSA2	03.30 PM - 05.30 PM
10/7/2023	Monday	DSM1	08.00 AM - 10.00 AM
15/07/2023	Saturday	CAT1	02.30 PM - 03.30 PM
17/07/2023	Monday	DSN	06.00 PM - 08.00 PM
9/8/2023	Wednesday	DSM2	10.30 AM - 12.30 PM
19/08/2023	Saturday	CAT2	04.00 PM - 05.00 PM
14/09/2023	Thursday	RDSM	10.30 AM - 12.30 PM
23/09/2023	Saturday	RDSA	03.30 PM - 05.30 PM

Course Information - Content

- ❖ Session 01 – Limit at a Point
- ❖ Session 02 – Algebra of Limits
- ❖ Session 03 – Limits of Functions Defined on Intervals
- ❖ Session 04 – One-Sided Limits
- ❖ Session 05 – Algebra of One-Sided Limits
- ❖ Session 06 – Sandwich Theorem
- ❖ Session 07 – Limits at Infinity
- ❖ Session 08 – Algebra of Limits at Infinity
- ❖ Session 09 – Infinite Limits
- ❖ Session 10 – Continuity at a Point
- ❖ Session 11 – One-Sided Continuities at a Point
- ❖ Session 12 – Algebra of Functions Continuous at a Given Point
- ❖ Session 13 – Continuity of a Function on an Interval
- ❖ Session 14 – Algebra of Functions Continuous on an interval
- ❖ Session 15 – Limits and Continuity of Composite Functions
- ❖ Session 16 – Uniform Continuity

Course Information – Learning Time

Theory	16 X 4 = 64 hours	154 hours = 3 Credits
	DS hours = 14 hours	
Independent Learning	16 X 4 = 64 hours	
	Online /Audio-visual materials and other learning resources = 10 hour	
Assessments	Continuous Assessments (CA) = 2 hours	

Course Information - Assessment

Overall Continuous Assessment Mark (OCAM): 40%	Final Assessment (FA): 60%
Details: Continuous Assessment1 (CAT1):- 1hr Continuous Assessment2 (CAT2):- 1hr OCAM = 60% Maximum(CAT1, CAT2) + 40% Minimum(CAT1, CAT2)	Final Evaluation-Theory: 100% - 2hrs:

Day School - Coverage

Date	Hours	Coverage
20/06/2023	4	Sessions 1 - 6
10/7/2023	2	Sessions 7 – 9
17/07/2023	2	Sessions 10 – 12
9/8/2023	2	Sessions 13 - 16

14/09/2023 (2 hours)	Revision :- Session 1 - 8
23/09/2023 (2 hours)	Revision :- Session 9 - 16

Open Book Test (OBT)

Date: 15/07/2023

Coverage: Sessions 1 to 8 (including both)

No Book Test (NBT)

Date: 19/08/2023

Coverage: Sessions 9 to 16 (including both)