

CHALLENGE TEST FAQ SHEET – SPRING 2022



UNIVERSITY
OF WOLLONGONG
IN DUBAI

What is a Challenge Test?

Challenge Tests are available in the FIRST SEMESTER for eligible students ONLY. If you pass the Challenge test with a minimum of 60% mark, you will not be required to complete those subjects and will receive advance standing / credits for the subject.

Which subjects are the tests available for?

- MATH030 (College Algebra)
- MATH041 (Maths for Business)
- MATH042 (Maths for Engineering)
- PHY 040 (Physics)

Where can I find the date and time of the Challenge Test?

Subject	Date	Time	Exam Mode
MATH030	Monday, 04th April 2022	12:30pm – 2:30pm	On Campus
MATH041	Monday, 04 th April 2022	10:30am – 12:30pm	On Campus
MATH042	Monday, 04 th April 2022	10:30am – 12:30pm	On Campus
PHY 040	Monday, 04 th April 2022	2:30pm – 4:30pm	On Campus

Do I meet the criteria?

You will be assessed to sit for the Challenge Tests when you apply to study the bachelor's program at the university. If eligible, you and your Student Recruitment Officer will complete the Challenge Test Registration form along with payment for the test.

Where do I register?

Students who are eligible can fill out the challenge test application with their Student Recruitment Officer.

What is the last date for to register for the Challenge Test?

The last date to register for the Challenge tests is Orientation and Enrolment Day.

What is the format of the Challenge tests?

All challenge tests are MCQ questions involving problem solving. Based on their eligibility; students will be emailed the review content/material to help them prepare for the challenge tests.



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What happens if I get 60% and above in the test?

You will be exempted from enrolling in that subject which you've passed the challenge test for and receive advance standing/credits for prior learning for that particular subject. Your academic advisor will help you choose another subject in placed of the passed challenge test subject.

How much does the test cost?

Each Challenge test costs AED 210/- per subject. Fees are not refundable once the Test is taken.

How will I be notified about my result?

You will receive a SOLSmail and email on your UOWmail regarding your challenge test results. In case you do not receive them – please email us at

Do I need a calculator for Challenge test?

Yes. Students are allowed to bring in calculators for the challenge test. Please meet with the FRED Desk to have your calculator approved.

Whom do I contact for any academic inquiries regarding the Challenge test at university?

You can email UG Freshmen Program Director – Dr. Zeenath Khan ZeenathKhan@uowdubai.ac.ae

MATH030 Syllabus

- Definition of a set: Set-builder and interval notations.
- Functions
- Graphs
- Linear Functions:
- Transformations of Functions:
- Inverse Functions
- Quadratic Functions and applications
- Polynomial Functions
- Rational Functions
- Exponential Functions
- Logarithmic Functions
- Sequences and Finite Series

Textbook Reference:

- College Algebra through Modeling and Visualization by Rockswold, 4th edition ISBN# 0-32154230-4
- College Algebra, 4 th Edition by Ratti, McWaters, and Skrzypek, Publisher: Pearson, ISBN: 9780134696485



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- Modeling, Functions, and Graphs: Algebra for College Students Katherine Yoshiwara.

Link to eBook – 1 [eBook](#)

MATH041 Syllabus

- Presentation of Data
- Statistical Measures
- Measures of central tendency: Mean, Mode, Median, Weighted Averages
- Probabilities
- Discrete Probability Distribution
- Solving Linear equations
- Matrices-Inverse-Systems of linear equations
- Mathematics of Finance
- Function:
- Exponentials and Logarithms
- Properties, evaluation, solving equations, Graphing, domain and range, transformation
- Fitting data

Textbook Reference:

- Explorations in College Algebra, 5th Edition by Kime/Clark/Michael.
- College Mathematics for Business, Economics, Life Sciences, and Social Sciences: Global Edition, 14th Edition, Raymond A. Barnett, Michael R. Ziegler, Karl E. Byleen,
- Mathematical Finance M. J. Alhabeeb ISBN: 978-0-470-64184-2

Link to eBook – 1 [eBook](#)

Link to eBook – 2 [eBook](#)

Link to eBook – 3 [eBook](#)

MATH042 Syllabus

- Representation of Sets in Mathematics
- Functions
- Solving equations and inequalities:
- Absolute Values:
- Linear systems of two equations
- Trigonometry
- Introduction to Calculus:
- Introduction to Statistics:
- Probability
- Discrete Probability Distributions



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Textbook Reference:

- ALGEBRA & TRIGONOMETRY Ron Larson • Robert P. Hostetler (latest edition) ·
- College Algebra, 2nd edition by Kirk Trigsted. · College Algebra 6th edition by Robert Blitzer (ISBN 9780321782281).
- Trigonometry 11th edition by Lial/Hornsby/Schneider/Daniels (ISBN 9780134217437).
- Johnson, R. A., "Miller & Freund's Probability and Statistics for Engineers", Pearson

Link to eBook

Link to eBook 1 - [eBook](#)

Link to eBook 2 - [eBook](#)

PHYS040 Syllabus

- Measurement and Experimental Techniques
- Motion in one dimension
- Motion in two dimensions
- Forces
- Mechanical Interactions
- Static Electricity
- Electric Fields
- Electric field, electric potential
- Electric Circuits
- Electromagnetism

Link to eBook

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