

# Construction Management

Quantitative Methods  
Module No. Cons 1012

# Contact details

- Lecturer
- Jennifer Byrne
- Email [jennifer.byrne@TU Dublin.ie](mailto:jennifer.byrne@TU Dublin.ie)
- Important
- When naming images or saving files to send **Always** save as Your Name
- Eg. Wk 3 trig question John Smith
- If 16 students send me 16 files called maths the PC will autosave the latest version of the file with the same name so material will get lost.

# Module TIM 1002

- **Module Overview:**
- This introductory module is designed to give students the fundamental knowledge and skills of calculations for the purpose of measurement, estimating and costing for construction projects. It should also help develop the student's basic knowledge, understanding and skill in numeracy and competence in manipulation and application of formulae.

# Learning Outcomes

- **On completion of this subject students will be able to:**
- 1 Identify solutions to mathematical problems and to demonstrate the solution clearly, logically, sequentially and accurately.
- 2 Interpret, devise and produce graphical representations of data.
- 3 Use the knowledge gained as a foundation for the calculations required in other areas of the course.

# Module Content/ Indicative Syllabus:

- Manipulation and application of figures, formulae and indices.
- Use of common aids to calculation.
- Mensuration of regular and irregular plain figures and solids.
- Calculation and evaluation of angles and triangular figures by trigonometry.
- Graphical representations of data.

# Assessments

- Coursework assessments will be given out during class.
- Assessments to be completed by each individual during class time.
- Answer sheets to be uploaded to Brightspace within the timeframe of the exam.
- A total of 100% of final marks will be awarded to coursework assessments.
- There is no final exam.

# Booklist

- **Essential Reading:** (author, date, title, publisher) Coursework material, handouts, work sheets, video tutorials, PowerPoint presentations.
- **Supplemental Reading:** (author, date, title, publisher)
- K. A. Stroud and Dexter J. Booth, 2009, Foundation Mathematics, Palgrave MacMillan
- J. O. Bird & A. J. C. May, 1994, Technician Mathematics Books 1 & 2(3rd Editions), Longman