

Mathematic for Biomedical Engineering (2)

Offered in 114-2

Save

Add Preselect

Serial Number

13966

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Course Number

DBME7032

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Course Identifier

528 M0552

⚠

No Class

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3 Credits

⚠

Compulsory

GRADUATE INSTITUTE OF BIOMEDI ...

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Kevin T. Chen

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Thu 2, 3, 4

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Please contact the department office for more information

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Type 3

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30 Student Quota

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Notes

The course is conducted in English °

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Limits on Course Adding / Dropping

Restriction: Ph. D students

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NTU Enrollment Status

Enrolled

Remaining

Registered

0 / 30

30

0

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Course Description

This course is offered at the doctoral level and is primarily intended for PhD students without an engineering background. The course content integrates practical theories from engineering mathematics and requires students to use mathe,matical models to transform problems commonly encountered in medical engineering into mathematics implementations to obtain results.

NTU 30

 No Specialization Program

 English

 NTU COOL

 Core Capabilities and Curriculum Planning

Course Objective

The objective of this course is to enable students to effectively apply mathematical methods, including the formulation of mathematical equations, the mathematization of engineering models, the specification of boundary and initial conditions, and the use of computation for solving problems in biomedical engineering. Those who have passed the class should be able to in the short term be familiar with computing engineering mathematics problems and in the mid-term to develop appropriate mathematical models for their own biomedical research problems and apply mathematical methods to propose solutions and ultimately obtain computational results.

Course Requirement

Expected weekly study hours before and/or after class

6 hours after class

 Office Hour

 Designated Reading

 References

Grading

1. NTU has not set an upper limit on the percentage of A+ grades.
2. NTU uses a letter grade system for assessment. The grade percentage ranges and the single-subject grade conversion table in the NATIONAL TAIWAN UNIVERSITY Regulations Governing Academic Grading are for reference only. Instructors may adjust the percentage

ranges according to the grade definitions. For more information, see [the Assessment for Learning Section](#) °

 Adjustment methods for students

 Make-up Class Information

 Course Schedule

Sponsor |  華南銀行
HUA NAN BANK

NTU Course

NTU | NTU ACA

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