

MEDI 7039 CLINICAL PRACTICE IN DIABETES 1

Credit Points 10

Legacy Code 401284

Coordinator Cathy Wilson ([https://directory.westernsydney.edu.au/search/name/Cathy Wilson/](https://directory.westernsydney.edu.au/search/name/Cathy%20Wilson/))

Description This subject introduces students to the aetiology, pathophysiology and clinical picture of the various types of diabetes and the short and long term physical impact on individuals. This is the basis for all clinical subjects in this course. Students will comprehensively examine the overall management of the different types of diabetes that are fundamental for advance and specialised diabetes clinical practice.

School Medicine

Discipline General Medicine

Student Contribution Band HECS Band 3 10cp

Check your fees via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Postgraduate Coursework Level 7 subject

Restrictions

Students must be enrolled in a postgraduate program with evidence of 12 month clinically relevant practice or substantial experience in working with people with diabetes

Assumed Knowledge

Basic knowledge and understanding of diabetes pathophysiology and sufficient experience working with diabetes patients in a clinical setting.

Learning Outcomes

On successful completion of this subject, students should be able to:

1. Examine the classification, aetiology and pathophysiology of the three major types of Diabetes
2. Integrate lifestyle modification and Medical Nutrition Therapy as an integral part in the management of DM
3. Analyse diagnostic criteria and treatment target ranges for each of the three major types of diabetes to determine treatment and management options for each type of diabetes
4. Provide education and training on the pharmacodynamics of oral agents, insulin and other injectable medication in the management of DM
5. Apply best practice guidelines, clinical recommendations and evidence based practice to support diabetes education

Subject Content

1. Pathophysiology of the different types of diabetes
2. Diabetes Medication Management
3. Blood Glucose Monitoring (Point of Care and Continuous Glucose Monitoring)
4. Lifestyle - Nutrition and Activity
5. Acute complications of diabetes - Hyperglycaemia and Hypoglycaemia

6. Sick day management
7. Implications for driving and reporting
8. Diabetes Care in Paediatrics and Young Adults (Transition)
9. Insulin Pump Therapy
10. Pregnancy
11. Diabetes Care in the Elderly
12. Surgery
13. Driving

Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Group Task	Mandatory
Participation - Online tutorials	Participation	20	N	Individual	Y
Quiz	Quiz 1: Type 1 Diabetes	10	N	Individual	Y
Quiz	Quiz 2: Type 2 Diabetes	10	N	Individual	Y
Quiz	Quiz 3: Diabetes in Pregnancy	10	N	Individual	Y
Quiz	Quiz 4: Diabetes in Paediatrics and Young adults (Transition)	10	N	Individual	Y
Presentatio	Case Study Presentatio	20	N	Individual	Y
Viva Voce	Viva Voce	20	N	Individual	Y

Prescribed Texts

- American Association of Diabetes Educators The Art and Science of Diabetes Self-Management Education Desk Reference, 3rd Edition (2017) , American Association of Diabetes Educators: USA

Teaching Periods

Autumn (2024)

Online

Online

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View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=MEDI7039_24-AUT_ON_2#subjects)

Spring (2024)

Online

Online

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Autumn (2025)

Online

Online

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Spring (2025)

Online

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