Module Descriptor

Evidence Based Diabetes Care (International)

Module Code: NUR7018-C
Academic Year: 2018-19
Credit Rating: 30
School: School of Nursing and Healthcare Leadership
Subject Area: Nursing
FHEQ Level: FHEQ Level 7 (Masters)

Pre-requisites:
Co-requisites:

Contact Hours

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Lectures</td>
<td>30</td>
</tr>
<tr>
<td>Tutorials</td>
<td>5</td>
</tr>
<tr>
<td>Directed Study</td>
<td>115</td>
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<tr>
<td>Other (DO NOT USE)</td>
<td>150</td>
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Availability Periods

<table>
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<tr>
<th>Occurrence</th>
<th>Location/Period</th>
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<tr>
<td>BDA</td>
<td>University of Bradford / Semester 1 (Sep - Jan)</td>
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<tr>
<td>BDA</td>
<td>University of Bradford / Semester 2 (Feb - May)</td>
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Module Aims
To extend and update student`s knowledge base and facilitate critical examination of the research-informed evidence on which provision of care and service delivery for the individual with diabetes is currently based. Examine opportunities to develop service and practice for people with diabetes.

Outline Syllabus
Pathophysiology of diabetes including blood glucose homeostasis.
Classification, epidemiology and diagnosis including diagnostic criteria of the different types of diabetes.
Health policies concerning diabetes care e.g. National Service Framework, NICE.
Current evidence base to diabetes care delivery e.g. DCCT, EDIC, UKPDS, original and follow up studies.
The role of lifestyle adjustments in the prevention and management of diabetes including structured patient education.
Patient focused diabetes care e.g. year of care, care planning, self blood glucose monitoring.
Factors influencing blood glucose levels (absorption, exercise, glycaemic index, stress, illness, medication etc.).
Biochemistry interpretation, undertaking risk assessments and target setting.
Pharmacodynamics and pharmacokinetics of insulin and oral hypoglycaemic agents.
Treatment options in the management of the difference types of diabetes.
Long term or chronic complications of diabetes: pathophysiology, prevention and management.

Module Learning Outcomes
On successful completion of this module, students will be able to...

1. Apply a systematic knowledge & understanding of pathophysiology & epidemiology to demonstrate critical awareness of the different types of diabetes.
   1.1 Apply knowledge of pharmacodynamics & pharmacokinetics & critically evaluate the current evidence base informing the management & treatment options of each type of diabetes.
   1.2 Critically review & apply knowledge to the recognition & management of the acute & chronic complications of diabetes.
   1.3 Apply knowledge of recent research to justify the development & improvement of diabetes care in your own clinical area.

2. Systematically assess complex data and apply knowledge to identify the type of diabetes experienced by patients and provide a rationale for that decision.
   2.1 Justify strategies for the appropriate administration and/or teaching the self-administration of diabetes related therapies and justify the role of structured patient education.
   2.2 Critically reflect on the development of care plans for patients with diabetes.
   2.3 Critically discuss the potential risk and appropriate management of acute and chronic complications of diabetes.

3. Critically reflect on own learning needs and apply current evidence from a wide range of sources to inform clinical practice and personal learning.
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Learning, Teaching and Assessment Strategy
Research informed key lectures will deliver core content; providing students with the opportunity to acquire knowledge and develop conceptual understanding (LO 1.1, 1.2, 1.3, 1.4, 2.2, 2.4). Seminars and group learning will be used to facilitate teacher/learner/ peer dialogue and inter-professional discussion and further develop and challenge conceptual understanding (LO1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 2.4 3.1). Directed study and additional hours described as Other provide students with the opportunity to
undertake reading, participate in enquiry based learning, address individual learning needs, reflect on practice and contextualise learning to the students own area of practice (LO1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 2.4 3.1) VLE will be used to provide access to online resources, lecture notes & external links to websites of interest. Labs and practicals will be held, if appropriate, to acquire new skills. Formative assessment and feedback at individual tutorials, meetings and through electronic communication will facilitate reflection and student self-assessment. All learning outcomes are assessed by Mode of Assessment 1. Lo 2.1, 2.1, 2.3 and 2.4 are assessed by mode of assessment 2.

**Mode of Assessment**

<table>
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<tr>
<th>Type</th>
<th>Method</th>
<th>Description</th>
<th>Length</th>
<th>Weighting</th>
<th>Final Assess'</th>
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<tbody>
<tr>
<td>Summative</td>
<td>Presentation</td>
<td>Seminar Presentation (30 minutes)</td>
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<td>30%</td>
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<tr>
<td>Summative</td>
<td>Coursework</td>
<td>3000 words - Reflective essay which demonstrates achievement of learning outcomes</td>
<td>0 hours</td>
<td>70%</td>
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**Legacy Code (if applicable)**

HNPI748T

**Reading List**

To view Reading List, please go to [rebus:list](#).