



1. Programme Title(s):

MSc Diabetes
Post Graduate Diploma in Diabetes
Post Graduate Certificate in Diabetes
Individual accredited MSc Modules in Diabetes

2. Awarding body or institution:

University of Leicester

3. a) Mode of study

Full time/Part Time / Module Only

b) Type of study

Campus Based

4. Registration periods:

The programme will follow the University regulations:

- MSc (180 credits):
 - Normal period of registration: 12 months full-time and 27 months part-time;
 - Maximum period of registration: 24 months full-time and 48 months part-time.
- PG Dip (120 credits):
 - Normal period of registration: 12 months full-time and 24 months part-time;
 - Maximum period of registration: 24 months full-time and 48 months part-time.
- PG Cert (60 credits):
 - Normal period of registration: 6 months full-time and 12 months part-time;
 - Maximum period of registration: 12 months full-time and 18 months part-time.

5. Typical entry requirements:

Entry requirements are a first degree or a relevant professional qualification/experience or evidence of being able to study at a masters degree level.

Students will be required to meet the standard English language requirements set out in [Senate Regulation 1](#).

6. Accreditation of Prior Learning:

Students can APL up to 40 credits into the programme from another course and in accordance with [Senate Regulation 2](#) and the University [Policy on the Accreditation of Prior Learning](#). Credits must be at Level 7 and must be relevant to the programme. This will be considered on an individual basis by the course directors once evidence of the APL credits has been submitted to the course administrator.

7. Programme aims:

The programme aims to equip students with the knowledge, skills and competencies to provide effective, high quality, evidence based diabetes care which is underpinned by an academic understanding. In addition the programme aims to enable students to effectively appraise their own area of practice in relation to the current evidence base.

8. Reference points used to inform the programme specification:

The following documents have been used to provide benchmarking and inform the content and standard of the programme:

- [University of Leicester Learning and Teaching Strategy 2011-2016](#)
- University of Leicester Periodic Developmental Review Report
- External Examiners' reports (annual)
- QAA Institutional Audit (2009)
<http://www.qaa.ac.uk/InstitutionReports/Reports/Pages/inst-audit-University-of-Leicester-09.aspx>
- The framework for higher education qualifications in England, Wales and Northern Ireland FHEQ. 2nd Edition (2014)
- QAA. Benchmark Statement: Health Care Programmes – Phase 2 (2004)
- NHS. National Service Framework for Diabetes: Standards (Dec 2001)
- NICE Technology Appraisals related to diabetes
- NICE Guidance related to diabetes

9. Programme Outcomes:

As a result of successfully completing the Post Graduate Certificate in Diabetes, students will be able to:

- apply knowledge and skills of clinical presentation and management of diabetes
- appraise new and advanced therapies in the field of diabetes
- apply knowledge and skills acquired from an option module in their own area of practice.

As a result of successfully completing the Post Graduate Diploma in Diabetes, students will additionally be able to:

- explain good principles of design, conduct, and governance of health-related research;
- appraise examples of health-related research using either qualitative or quantitative methods;
- apply knowledge and skills acquired in additional option modules in their own area of practice.

As a result of successfully completing the MSc in Diabetes, students will additionally have:

- practical experience of undertaking a supervised research project, applying the knowledge from taught modules they have studied;
- experience of research project management, working with a research supervisor and, where appropriate, research ethics and governance procedures;
- experience of writing a research report in the form of a 12,000 - 15,000 word dissertation.

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
<i>(a) Discipline specific knowledge and competencies</i>		
Knowledge		
<p>Certificate Identify and recognise the components of clinical presentation and management in all aspects of diabetes care.</p>	<p>Certificate Discussion and exploration in small groups with facilitation; practical demonstrations and workshops; classroom debate; academic article critiquing; pod casts/lecture capture; formal lectures and seminars; directed and self-directed reading and study.</p>	<p>Certificate Summative assessments: written case study, critique or essay; exam paper; oral case study presentation; recorded consultation. Formative assessments: participation in classroom discussions and debates; non-assessed group work.</p>
<p>Diploma In addition to the above, students should possess a sound knowledge of the theories and evidence bases underpinning contemporary approaches to diabetes care and the broader (option) areas related to diabetes. Recognition of the elements of the research process and applying this to study design and critical appraisal in applied health research.</p>	<p>Diploma As above</p>	<p>Diploma As above</p>
<p>Masters In addition to the above, students should possess advanced knowledge of applied health research methodology.</p>	<p>Masters In addition to the above, project supervision, tutorials and field work.</p>	<p>Masters In addition to the above, written dissertation and oral dissertation presentation.</p>
Concepts		
<p>Certificate Demonstrate how to interpret, evaluate and apply theory of the concepts of various areas of diabetes care to clinical practice.</p>	<p>Certificate Discussion and exploration in small groups with facilitation; practical demonstrations and workshops; classroom debate; academic article critiquing; pod casts/lecture capture; formal lectures and seminars; directed and self-directed reading and study.</p>	<p>Certificate Summative assessments: written case study, critique or essay; exam paper; oral case study presentation; recorded consultation. Formative assessments: participation in classroom discussions and debates; non-assessed group work.</p>
<p>Diploma In addition to the above, students should be able to explain and critique core methods used in applied health research and in broader (option) areas of diabetes care.</p>	<p>Diploma As above</p>	<p>Diploma As above</p>
<p>Masters In addition to the above, students should be able to explain and critique the application of applied health research concepts to a practical research project.</p>	<p>Masters In addition to the above, project supervision, tutorials and field work.</p>	<p>Masters In addition to the above, written dissertation and oral dissertation presentation.</p>

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Techniques		
Certificate Demonstrate clinical competencies in various aspects of diabetes care, being able to identify appropriate treatment and management regimens with the ability to justify choice of chosen clinical management decisions.	Certificate Discussion and exploration in small groups with facilitation; practical demonstrations and workshops; classroom debate; academic article critiquing; pod casts/lecture capture; formal lectures and seminars; directed and self-directed reading and study.	Certificate Summative assessments: written case study, critique or essay; exam paper; oral case study presentation; recorded consultation. Formative assessments: participation in classroom discussions and debates; non-assessed group work.
Diploma As above	Diploma As above	Diploma As above
Masters In addition to the above, students should apply chosen applied health research methods/techniques to a practical research project.	Masters In addition to the above, project supervision, tutorials and field work.	Masters In addition to the above, written dissertation and oral dissertation presentation.
Critical analysis		
Certificate Critically review, debate and discuss research evidence, practice guidelines and other published literature on the management of diabetes care.	Certificate Discussion and exploration in small groups with facilitation; practical demonstrations and workshops; classroom debate; academic article critiquing; pod casts/lecture capture; formal lectures and seminars; directed and self-directed reading and study.	Certificate Summative assessments: written case study, critique or essay; exam paper; oral case study presentation; recorded consultation. Formative assessments: participation in class room discussions and debates; non-assessed group work.
Diploma As above	Diploma As above	Diploma As above
Masters In addition to the above, be able to analyse, interpret and critically appraise data/findings and discuss recommendations.	Masters In addition to the above, the dissertation process, tutorials and independent research.	Masters In addition to the above, written dissertation and oral dissertation presentation.
Presentation		
Certificate Ability to present orally and in writing individual and group work, specifically case study discussions and critical appraisals of published literature.	Certificate Discussion and exploration in small groups with facilitation; practical demonstrations and workshops; classroom debate; academic article critiquing; pod casts/lecture capture; formal lectures and seminars; directed and self-directed reading and study.	Certificate Summative assessments: written case study, critique or essay; exam paper; oral case study presentation; recorded consultation. Formative assessments: participation in class room discussions and debates; non-assessed group work.
Diploma As above	Diploma As above	Diploma As above
Masters In addition to the above, oral presentation of dissertation proposal and written presentation of research.	Masters In addition to the above, the dissertation process, tutorials and independent research.	Masters In addition to the above, written dissertation and oral dissertation presentation.
Appraisal of evidence		
Certificate Demonstrate the ability to critically appraise published research literature in relation to clinical areas of diabetes and examine outcomes of this published evidence in relation to clinical practice.	Certificate Discussion and exploration in small groups with facilitation; practical demonstrations and workshops; classroom debate; academic article critiquing; pod casts/lecture capture; formal lectures and seminars; directed and self-directed reading and study.	Certificate Summative assessments: written case study, critique or essay; exam paper; oral case study presentation; recorded consultation. Formative assessments: participation in class room discussions and debates; non-assessed group work.
Diploma As above	Diploma As above	Diploma As above

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Masters In addition to the above, demonstrate an independent level of inquiry at an advanced level.	Masters In addition to the above, the dissertation process and independent research.	Masters In addition to the above, written dissertation and oral dissertation presentation.
(b) Transferable skills		
Research skills		
Certificate Locate, organise and critique/appraise evidence, interpret and report on findings.	Certificate These are progressively developed through all modules and teaching methods.	Certificate All module assessment methods.
Diploma In addition to the above, acquire skills to design and critique applied health research methodologies.	Diploma As above	Diploma As above
Masters In addition to the above, to conduct a research project based on a focused research question; undertake significant background research and a focused literature review; collect and analyse data which is relevant to the research question; interpret and report findings; critically appraise findings in relation to existing literature, and make recommendations for practice and further research; construct a critical argument at an advanced level.	Masters In addition to the above, the dissertation supervision process, tutorials and independent research.	Masters In addition to the above, written dissertation and oral dissertation presentation.
Communication skills		
Certificate Written: Express ideas, theories and concepts clearly in writing in an academic style. Oral: Communicate clearly and effectively with peers and different stakeholder groups (including staff and patients) in relation to diabetes care.	Certificate Seminars, directed and self-directed reading and study, group work, team problem solving activities and lectures.	Certificate Summative written assignments. Summative and formative oral presentations and non-assessed group work and contribution to seminar discussions.
Diploma As above	Diploma As above	Diploma As above
Masters In addition to the above, construct a dissertation that is logically structured and written with clarity and precision.	Masters In addition to the above, the dissertation supervision process, tutorials and independent research.	Masters In addition to the above, written dissertation and oral dissertation presentation.
Data presentation		
Certificate Interpret and present basic clinical data and identify the strengths and weaknesses of research papers and evidence.	Certificate Seminars, directed and self-directed reading and study, group work, team problem solving activities and lectures.	Certificate Summative written assignments. Summative and formative oral presentations and non-assessed group work and contribution to seminar discussions.
Diploma In addition to the above, interpret and present data relevant to applied health research (option module).	Diploma As above	Diploma As above

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Masters In addition to the above, interpret and present data (extended literature review, methods, findings, conclusion) that are relevant to dissertation project.	Masters In addition to the above, the dissertation supervision process, tutorials and independent research.	Masters In addition to the above, written dissertation and oral dissertation presentation.
Information technology		
Certificate Demonstrate effective skills in basic IT packages such as word processing and PowerPoint. Present assignments in line with course regulations using appropriate IT resources.	Certificate Seminars, directed and self-directed reading and study, group work, team problem solving activities and lectures.	Certificate Summative written assignments. Summative and formative oral presentations and non-assessed group work and contribution to seminar discussions.
Diploma As above	Diploma As above	Diploma As above
Masters In addition to the above, use appropriate IT programmes and software to organise, analyse and present data, and to produce/present written work (dissertation) professionally.	Masters In addition to the above, the dissertation supervision process, tutorials and independent research.	Masters In addition to the above, written dissertation and oral dissertation presentation.
Problem solving		
Certificate Recognise a clinical problem within a case study scenario and use problem solving skills to consider the published evidence and justify the appropriate course of treatment for the patient.	Certificate Case study presentations and analysis, group discussion, directed reading.	Certificate Summative written assignments. Summative and formative oral presentations and non-assessed group work and contribution to seminar discussions.
Diploma As above	Diploma As above	Diploma As above
Masters As above	Masters As above	Masters In addition to the above, written dissertation and oral dissertation presentation.
Working relationships		
Certificate Demonstrate the communication skills and ability to work effectively in groups/teams, with individuals from different professional disciplines/backgrounds, to problem solve and critically appraise evidence and treatment management options.	Certificate Seminars, tutorials, problem solving discussion groups.	Certificate Summative written assignments. Summative and formative oral presentations and non-assessed group work and contribution to seminar discussions.
Diploma As above	Diploma As above	Diploma As above
Masters In addition to the above, ability to work with supervisor (and other staff or research participants, if applicable) to complete dissertation project.	Masters In addition to the above, the dissertation supervision process and tutorials.	Masters In addition to the above, written dissertation and oral dissertation presentation.

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Managing learning		
Certificate Reflect, appraise and evaluate own learning, showing the ability to identify areas of academic and clinical practice that require increased acquisition of skills	Certificate Discussion and exploration in small groups with facilitation; practical demonstrations and workshops; classroom debate; academic article critiquing; pod casts/lecture capture; formal lectures and seminars; directed and self-directed reading and study.	Certificate Summative written assignments. Summative and formative oral presentations and non-assessed group work and contribution to seminar discussions.
Diploma As above	Diploma As above	Diploma As above
Masters In addition to the above, construct a credible research project, drawing up a realistic research timetable, carrying out independent research, reflecting on and writing up results.	Masters In addition to the above, the dissertation supervision process, tutorials and independent research.	Masters In addition to the above, written dissertation and oral dissertation presentation.
Career management		
Certificate Identify and appraise career progression options through updating knowledge on current opportunities within the area of diabetes and networking with other students, course staff and invited lecturers.	Certificate Tutorials	Certificate Discussions within personal tutorial sessions, postgraduate PDP, effective CV.
Diploma As above	Diploma As above	Diploma As above
Masters In addition to the above, effectively research a topic related to student's professional experience/area of practice. Disseminate findings and potential publication (where appropriate).	Masters In addition to the above, the dissertation supervision process, tutorials and independent research.	Masters In addition to the above, complete dissertation. Sharing results with colleagues. Potential publication and/or presentation (conference/seminar).

10.Special features:

The Diabetes programme of study is hosted by the Leicester Diabetes Centre (LDC) at the Leicester General Hospital. The LDC is the biggest research centre for diabetes in the UK. Its state of the art teaching rooms offer the latest technology to enhance the student learning experience.

Within the LDC there are experienced healthcare staff who are delivering high quality patient care and research. As the teaching rooms are located at the heart of the LDC the programme has access to high quality/experienced lecturers from all of the specialities within diabetes.

The specialist staff and researchers within the LDC are both nationally and internationally recognised and have involvement in developing national and World Health Organisation guidelines for diabetes.

11.Indications of programme quality:

- The programme will be subject to standard University of Leicester procedures for quality assessment, including Annual Development Review, liaison with College Academic Committee and the programme will report to the department's Learning and Teaching Committee (L&T).

- An External Examiner will be appointed according to [Senate regulations 7.18-7.60](#).
- There will be systematic, regular evaluation by students registered with the programme, including anonymous evaluation of sessions and modules. A student representative will be invited to attend L&T committee meetings (for unreserved business only).
- The programme's teaching staff will engage with University procedures for peer assessment of teaching and marking.

12. Scheme of Assessment

Stricter award criteria apply than specified in [Senate Regulation 6: Regulations governing taught postgraduate programmes of study](#)

All assessed elements within each module will have a 50% pass mark (date approved 12/05/2015).

Progression through the programme will be as follows and will apply with standard university procedures.

PG Certificate – successful completion of 60 credits (taught modules) as outlined in marking scheme, then to Exam Board and student asked if they want to progress to PG Diploma.

PG Diploma – successful completion of a further 60 credits (taught modules)), then to Exam Board and student asked if they want to progress to full MSc.

Masters – successful completion of Dissertation (60 credits) as outlined in marking scheme.

Students may only be awarded the Postgraduate Certificate or the Postgraduate Diploma or the Masters degree. No student may be awarded more than one of the above qualifications.

13. Progression points

As defined in [Senate Regulation 6: Regulations governing taught postgraduate programmes of study](#)

In cases where a student has failed to meet a requirement to progress he or she will be required to withdraw from the course and a recommendation will be made to the Board of Examiners for an intermediate award where appropriate.

14. Rules relating to re-sits or re-submissions:

As defined in [Senate Regulation 6: Regulations governing taught postgraduate programmes of study](#).

15. External Examiners reports

The details of the External Examiner(s) for this programme and the most recent External Examiners' reports can be found [here](#).

16. Additional information (e.g. timetable for admissions)

Programme intakes are in October.

Appendix 1: Programme structure (programme regulations)

PG Certificate	MD7259, plus either MD7254 or 2 option modules*	60
PG Diploma	MD7259, MD7254, 3 option modules* and 1 MRes research module**	120
MSc	Same as for PG Diploma, plus MD7257	180

Module code	Module title	Credits
MD7259	Clinical Presentation and Management in Diabetes: Glycaemic Control, New and Novel Therapies	30
MD7254	Clinical Presentation and Management of Diabetes: Diabetes Complications and Cardiovascular Disease	30
<u>Option modules*</u>		
MD7251	Self-management in Diabetes Care	15
MD7252	Prevention, Screening and Early Detection in Diabetes.	15
MD7253	Diabetes and Obesity	15
MD7255	Advanced Injectable Therapies	15
MD7256	Clinical Presentation and Management of Endocrine Disorders	15
MD7258	Counselling Skills in Diabetes	15
MD7260	Adult Inpatient Module	15
MD7261	Children and Young People with Diabetes	15
MD7262	Diabetes and the Older Person	15
<u>MRes research modules**</u>		
MD7431	Fundamentals of Applied Health Research	15
MD7432	Quantitative Methods in Applied Health Research	15
MD7433	Qualitative Methods in Applied Health Research	15
<u>Dissertation</u>		
MD7257	Dissertation	60

*Note: the choice of optional modules will be influenced by timetabling; students will need to choose optional modules that are scheduled within the maximum registration period (see section 4.)

**Note: MSc students and PGDip students must take 1 (15 credit) MRes research module. Most students will choose the Fundamentals of Applied Health Research module. If a student feels they already possess basic research skills they can choose to take either the Quantitative or the Qualitative module. However, they must first demonstrate to tutors that their existing knowledge and skills relate to the intended learning outcomes of the Fundamentals module; for example, by providing evidence of previous research experience, relevant qualifications, professional training or publications record. In addition, MSc students and PGDip students can choose to take an additional research module as part of their option credits.

Appendix 2: Module Specifications

See module specification database <http://www.le.ac.uk/sas/courses/documentation>