



Cardiff
Metropolitan
University

Prifysgol
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Caerdydd

CARDIFF SCHOOL OF SPORT AND HEALTH SCIENCES

FOUNDATION DEGREE (Science) DENTAL TECHNOLOGY

Joining Information

September 2019

CENTRE FOR DENTAL TECHNOLOGY

Welcome from the Teaching Team

The staff at the Centre for Dental Technology extend a very warm welcome to our new students. Past experience shows that students generally feel quickly at home with us so there is every reason to expect that you will soon settle down to an enjoyable and fulfilling period of study. During your time on the course you will experience a number of teaching and learning methods, through the medium of live synchronous delivery, by way of Adobe Connect online teaching facility, and Blended online learning resources through our “Moodle” Virtual Learning Environment. Within Adobe Connect, you will be able to interact with colleagues and tutors just as you might expect to be able to in a traditional classroom. Within Moodle, you can interact with and download various forms of media-based resources. Engagement with all resources and tutors is highly encouraged, as it is this that forms the basis of your personal learning experience.

The programme has a clear and important link with mentors and laboratories. Students are expected to be provided the opportunity to gain experience of producing items for patients undergoing treatment. The work based mentor and/or manager will be expected to manage and assist the student’s work, and learning resources.

The title of the award which will appear on the degree certificate is:

FOUNDATION DEGREE (Science) (FdSc) DENTAL TECHNOLOGY

THE INDUCTION PROGRAMME

An induction programme will be held on Friday 20 September 2019, at the dental laboratories on Llandaff Campus. All students are required to attend this, as it is an opportunity to meet fellow students and staff and find out other important information about the course. Please see the accompanying year-long timetable for more information.

ONLINE ENROLMENT

Enrolment is an important process that confirms your status as a Cardiff Met Student. You can complete the online self enrolment process from any computer through our Self Service system. If you applied through Self Service you will already have the necessary login details for self enrolment.

Please note that in order to self enrol your status with Cardiff Met must be Unconditional Firm (UF).

Please begin your enrolment process by going to <https://studentselfservice.uwic.ac.uk/selfservice/>. (Step-by-step guidance is provided.)

This process is essential in that it allows you access to payment of fees, programme information systems, and enables you to obtain your Student ID Card.

PRIOR TO STARTING THE COURSE

Prior to starting the course, it is essential that you obtain employment as a trainee within a dental laboratory. You must negotiate with your employer in order to agree a work place mentor. The

purpose of selecting a mentor is to make the work based learning modules as successful as possible. Cardiff Met is able to offer Continual Professional Development to mentors for their role during the year.

MODE OF ATTENDANCE

The FdSc programme is offered to students with Cardiff Met-supported work based learning and a requirement to attend Cardiff Met no more than 5 times per academic year. However, a commitment of at least 6 hours per week during term is required. There must also be a designated work based mentor who is a colleague and who will advise students. The practical and theoretical exercises students are required to complete will be given at the start of term and at other points throughout the year. Video conferencing will take place each week and other electronic technologies will form a central core of the delivery (please see here for the Technical Specifications for using Adobe Connect facility: <https://helpx.adobe.com/uk/adobe-connect/tech-specs.html>. If you have any questions, please get in touch). Students will undertake OSPEs (Observed Short Practical Exercises) and written exams here at Cardiff Metropolitan University.

NECESSARY EQUIPMENT

EQUIPMENT NEEDED TO COMPLETE PRACTICAL ASSIGNMENTS AWAY FROM CARDIFF METROPOLITAN UNIVERSITY FOR THE FULL FdSc

NOTE: Not all laboratories are expected to have all the equipment to cover the main fields of dental technology covered in the programme. These include removable prosthodontics, fixed prosthodontics and orthodontics. Where specialist equipment is not available at the home laboratory, arrangements are suggested to be made by the employer for the trainee to spend periods at other (specialist) laboratories near the place of work or arrangements to attend Cardiff Met are a possibility.

REMOVABLE PROSTHODONTICS		COBALT CHROMIUM FRAMEWORKS	
Model trimmer Fixed condylar path articulator Plain line articulator Vibrator Flasks Clamps	Processing bath or oven Pressure vessel Boiling out facilities Duplicating facilities Micromotor Dust extraction Finishing equipment	Vacuum mixing facilities Furnace Casting machine Grit blasting machine	Electrobrightening apparatus Dust extraction Finishing equipment
FIXED PROSTHODONTICS		ORTHODONTICS	
Model/Die system Ceramic furnace Composite facilities Vacuum mixing facilities Furnace	Casting machine Grit blasting machine Dust extraction Finishing equipment	Ash 64 pliers (or equivalent) Ash 65 pliers (or equivalent) Maun cutters	Pressure curing vessel Dust extraction Finishing equipment

When attending Cardiff Metropolitan University for practical work, all students are required to bring the standard dental laboratory hand tools e.g. Wax knife, Plaster knife, Spatula, Ash 5, LeCron, Scissors, Tweezers and protective clothing (a clean laboratory style coat).

Students are required to be prepared to transport several dental casts and notes to Cardiff Met and back home.

AWARD TITLE AND PROFESSIONAL BODY MEMBERSHIP

Successful completion of this programme will lead to the award of Foundation Degree (Science) Dental Technology. The Foundation (FdSc) programme will enable successful students to register with the General Dental Council as a Dental Technologist. The law requires anyone who practices as a dental technologist to register with the GDC. The programme meets all learning outcomes laid down by the General Dental Council.

GDC registered personnel are expected to be able to conduct themselves well on all occasions. Lapses may result in removal from the register. Students must also be considered fit to practise dentistry and any causes of concern may be investigated by a fitness to practise panel and could result in exclusion from the register even before the programme has been completed. (See the GDC document 'Student Fitness to Practice' available from the GDC website or at <https://www.gdc-uk.org/professionals/students-and-trainees/student-professionalism/sp-guidance>)

PROGRAMME STRUCTURE

The programme is modular based and aims to produce dental technologists who are technically competent and academically capable. Upon qualification, students should have a broad understanding of dental technology and be able to relate to different areas of dental technology. They should be able to communicate well, use independent and critical self-awareness and successfully act as a member of the dental team.

Post graduate qualifications can be obtained upon successful completion of the BSc and on an individual application basis.

MODULE STRUCTURES

Students undertaking the FdSc Course require 24 module values (each with a 10 credit value) for successful completion of the course. A ten credit module comprises of at least 100 hours student effort.

The FdSc part-time course normally takes 3 years.

There are 120 module credits at Level 4 and 120 module credits at Level 5.

Core modules need to have each assessment item within the module passed at 40%. Other modules require an overall pass mark of 40% only. More information regarding core modules can be found under "Assessment Regulations" (page 8).

Module Structure

Foundation Degree Year 1	Credit Value	Level	Core Module
Work based learning A		20	4
Introductory techniques		20	4
Professional practice A		10	4

Complete dentures A	10	4	Core
Dental anatomy and physiology	10	4	
Dental materials A	10	4	

Foundation Degree Year 2

Cast restorations	20	4	Core
Removable partial dentures A	20	4	Core
Work based learning B	10	5	
Complete dentures B	20	5	Core
Dental materials B	10	5	

Foundation Degree Year 3

Work based learning C	10	5	
Professional practice B	10	5	
Removable partial dentures B	20	5	Core
Dental Ceramics	20	5	Core
Orthodontics (removable)	20	5	Core

GRADING

The pass mark for any assessment item of a module, and the module overall is 40%. Individual assessment items in modules which are not core may be allowed to drop below a score of 40 as long as the overall module score is 40% (compensation / averaging marks by the Examinations Board)

All assessment items during the course will be awarded marks as a percentage (%). Where practical modules require a number of individual items to be submitted, they often carry different values towards the overall module mark. This information will be available to the student in the relevant Module Handbook, which is normally discussed at the start of each module, and is always available within the relevant Moodle module folder.

ASSESSMENT

Each module in the programme is assessed according to a particular mode of assessment.

There are essentially five types of assessment used throughout the Course:

1. Written Formal Examinations.
2. Practical Assignments.
3. Timed Practical Examinations.
4. Written Assignments.
5. Oral Presentations.

GENERAL ADVICE

Students are required to attend all scheduled lectures, practical sessions and other classes. During OSPEs, laboratory coats must be worn and, where appropriate, other personal protective gear. You will receive advice from lecturers regarding the use of such equipment.

ACADEMIC SUPPORT

Personal Tutor System:

Personal tutors are allocated at the beginning of each academic year and there will be opportunities during your timetable for personal tutor sessions. During these sessions you may discuss what action should be taken to remedy any tests or assignments which have not met the required standard. They are also an opportunity for students to bring with them any pieces of work, which they feel they are having problems/difficulties with and to discuss them with their tutor. They are designed to encourage and help the student overcome any problems that they may be experiencing with this work or topic area.

The dental technology teaching staff operates an “open door” policy and as such, students are welcome to discuss any topic, with any member of staff, at almost any time during the teaching day. Staff members are contactable by phone or email, or with pre-arrangements through Adobe Connect meetings.

ASSESSMENT REGULATIONS

The Cardiff Met regulations can be found in the Academic Handbook, a copy of which is available here:

<http://www.cardiffmet.ac.uk/registry/academichandbook/Pages/default.aspx>

In addition to these, there are Course Specific regulations and these are as follows:

Each element of assessment must be passed with a mark of at least 40% or be compensated (averaging marks) for by the mark(s) in other elements of assessment.

All components in core modules must be passed with the minimum pass percentage (40%) and a maximum of 5% compensation is possible by the Examinations Board. A maximum of two resits are allowed. The progression of students who have not successfully completed normal scheduled modules is considered at the Examinations Board.

CAREER OPPORTUNITIES

Many part time students find that they are able and wish to continue working at their place of employment following completion of their initial training. In general, employment prospects are currently good. Successful students can be employed in NHS establishments, commercial laboratories, private practices or university dental schools.

RECOMMENDED READING

Complete lists are published with each specific topic studied; however the following are examples from the modules studied within the first year of the course:

Ash MM 1993 (7th ED) Wheeler’s dental anatomy, physiology and occlusion Philadelphia Saunders

Bates JF, Huggett R and Stafford GD 1991 (3^{ed} Ed) Removable denture construction Bristol Wright

McCabe JF Walls AWG 1998 (8th Ed) Andersons applied dental materials Oxford Blackwell

McCord JF Grunt JF 2000 A clinical guide to complete denture prosthetics London British Dental Association

Mitchell DA Mitchell L Nattress B 1999 (3rd Ed) Oxford handbook of clinical dentistry Oxford Blackwell Scientific Publishers

O'Brien WJ 1997 Dental materials Chicago Quintessence

Rahn AO and Heartwell CM (5th Ed) 1993 Textbook of complete dentures Beckenham Lea and Febiger

THE CARDIFF SCHOOL OF SPORT AND HEALTH SCIENCES

The School is located over the Llandaff and Cyncoed Campuss and has four Departments offering courses at BSc and MSc level, many of which offer both an academic and professional qualification. We also offer a foundation degree, two foundation year courses and a small number of Higher Certificates and Diplomas validated by BTEC/EDEXCEL.

The departments and examples of the courses they offer are detailed below

Department of Applied Community Sciences & Protection

- Environmental Health
- Social Work
- Health and Social Care
- Housing
- Applied Public Health (MSc)
- Food Safety Management (MSc)
- Occupational Health and Safety (MSc)

Department of Applied Life Sciences

- Biomedical Science (including MSc)
- Sports Biomedicine and Nutrition
- Food Science and Technology (including MSc)
- Food Production Management
- Food Technology for Industry (MSc)
- Public Health Nutrition
- Human Nutrition and Dietetics (Including MSc)
- Advanced Dietetic Practice (MSc)

Department of Healthcare

- Complementary Therapies
- Dental Technology (including MSc)
- Speech & Language Therapy
- Podiatry
- Musculoskeletal Studies [Lower Limb] (MSc)

Department of Applied Psychology

- Psychology
- Forensic Psychology (MSc)
- Health Psychology (MSc)
- Lifestyle Psychology (MSc)
- Practitioner in Health Psychology (PGC)

- Practitioner in Forensic Psychology (PGD)

Each Department has a Head who sits on the School Management and Planning Team with the Director of Learning and Teaching, Director of Research and Director of Enterprise. This team, chaired by the Dean is responsible for the strategic and operational management of the School.

Each course has a Programme Director and all have student representatives who make an active and important contribution to Course Committee meetings. There are also opportunities for students to have a voice in the management of the School – Staff Student Liaison panels, at the Learning and Teaching Committee and at a number of events across the Institution.

All students in the School have access to the excellent sporting facilities at the Cyncoed Campus, which houses the National Indoor Athletics Centre, tennis centre, gym and swimming pool. There is also a gym in the Student Centre at Llandaff Campus. The award winning UWIC Rider bus runs a regular service across all campuses and into the city centre.

Included in this pack is specific information for your chosen course. For more information on our School please visit our website

<https://www.cardiffmet.ac.uk/sportandhealthsciences/Pages/default.aspx>.

Research in the Cardiff School of Sport and Health Sciences

The Cardiff School of Sport and Health Sciences has a strong research culture; informing our curriculum and teaching and extending our knowledge and professional practice development.

In the most recent UK wide assessment (Research Assessment Exercise, 2008) much of our research was recognised as having international standing with a significant proportion internationally excellent or world leading.

We have invested heavily in our research infrastructure with new research laboratories for biomedical science and food science and technology, a psychology research centre and post-graduate centre for our PhD students, who now number over 60.

Our great strength is our multidisciplinary, collaborative approach and we produce world class applied research that informs practice in Wales and beyond. For example, our 'Ageing Well' research programme where biomedical science, psychology and nutrition researchers are collaborating to better understand the complex relationships between lifestyle and the ageing process; extending our knowledge in this critically important area and influencing healthy ageing initiatives.

Research across the School is extensive and varied. For more information on our research please visit <https://www.cardiffmet.ac.uk/sportandhealthsciences/Pages/default.aspx> and follow the link to research.

Working with Partners

We are proud of our work with local communities, employers and industry in Wales and beyond. From developing homework clubs on science with black and minority ethnic communities in Cardiff to working with the pharmaceutical industry on drug discovery methods, we make a significant contribution to the social, cultural and economic well-being of Wales and the UK.

The internationally recognized Food Industry Centre based in the School has been awarded £3.9 million from the Welsh Assembly Government to engage with Welsh food manufacturers to ensure they are competitive players in the food sector. We work closely with industry on waste, pollution, occupational health and safety and, from September 2010 the School will host the Health Protection Agency National Centre for Chemical Incidents and World Health Organisation Collaborating Centre. Staff across the School will contribute to the work of a new CARDIFF MET/HPA International Training Centre launched by the World Health Organisation in May 2011 in Thailand.

We have strong links with local authorities and the third sector, providing post qualification training for social workers, Continuing Professional Development (CPD) in health and social care and working closely with housing associations, including a Knowledge Transfer Partnership with a major local supported-housing organisation.

Our role in Continuing Professional Development is important and we have excellent relationships with employers providing a host of CPD opportunities across the School's disciplines including psychology, environmental health, food science and the allied health professions. A new MSc in Advanced Practice has been developed to meet the personal and professional development needs of practitioners in the public and private sector.

Centre for Dental Technology
Year 1 FdSc Timetable 2019/20

All online meetings will be on Mondays: 11:30-13:00 and 14:00-16:30 are usual timeslots

All OSPE days will be on Fridays. During OSPE weeks, there will usually be no scheduled online meetings on the Monday

Autumn term: 23th Sept–13th Dec 2019 (12 weeks) Spring Term: 13th Jan–3rd April 2020 (12 weeks) Summer term: 29th April–1st June 2020 (No Teaching, Exams Only)

ALL END OF YEAR EXAM DATES ARE PROVISIONAL UNTIL PUBLISHED ONLINE BY THE UNIVERSITY TIMETABLING UNIT (Week 41/42: 2 exams over 1 or 2 days)

All online meetings will be held in this meeting room: <http://adobeconnect.uwic.ac.uk/fdsc1/>

Mondays (except OSPEs)	Week No.	Student Activity	Cardiff Met activity	Meeting schedule/details
Friday 20 September 2019	8	INDUCTION DAY Introduction to Cardiff Met staff Issue Introductory Techniques module pack	Student and Mentor attendance required at Llandaff campus from 9:30-16:00	Issue Introductory Techniques models, demonstrate Adobe Connect, Moodle and Mahara
23 September	9	Commence Introductory Techniques Commence Dental Materials A	Ed Mapley Chetan Geisel	14:00: Intro Techs 15:30: Dental Mats
30 September	10	Commence Professional Practice A & Work Based Learning A		12:30: Prof Prac A/WBL A 14:00: Intro Techs 15:30: Dental Mats
7 October	11			14:00: Intro Techs 15:30: Dental Mats
14 October	12			14:00: Intro Techs followed by Prof Prac A/WBL A 15:30: Dental Mats
21 October	13			14:00: Intro Techs 15:30: Dental Mats
28 October	14			14:00: Intro Techs followed by Prof Prac A/WBL A 15:30: Dental Mats
4 November	15	Practical assessment models arrive this week		14:00: Intro Techs 15:30: Dental Mats
11 November	16	Submit Den Mats A assignment (BY 14:00)		14:00: Intro Techs followed by Prof Prac A/WBL A 15:30: Dental Mats Written assignment submission
18 November	17			14:00: Intro Techs 15:30: Dental Mats
25 November	18			14:00: Intro Techs followed by Prof Prac A/WBL A 15:30: Dental Mats
2 December	19	Prof Practice A Deadlines (2 assessments today) Students not expected to attend mentor meeting	Presentations (online) and Mahara Completion (Submit through TurnItIn BY 16:00) Mentor Meeting	9:30: Prof Practices A Presentations (Online) 14:00: Intro Techs 15:30: Dental Mats 16:30: Mentors: <i>Reflection</i>
Friday 13 December	20	Dental Mats theory test Intro Techs theory test Intro Techs OSPE and Submit practical Collect models for Comp Dent A	Student attendance required	Dental Mats theory test Intro Techs theory test Intro Techs OSPE and Submit practical Collect models for Comp Dent A
Christmas Vacation (4 weeks)				

13 January	25	Start Dental Anatomy & Physiology Start Complete Dentures A		14:00: Anat & Phys 15:30: Comp Dent A
20 January	26			14:00: Anat & Phys 15:30: Comp Dent A
27 January	27			14:00: Anat & Phys 15:30: Comp Dent A
3 February	28			14:00: Anat & Phys 15:30: Comp Dent A
10 February	29			14:00: Anat & Phys 15:30: Comp Dent A
17 February	30			14:00: Anat & Phys 15:30: Comp Dent A
24 February	31			14:00: Anat & Phys 15:30: Comp Dent A
2 March	32			14:00: Anat & Phys 15:30: Comp Dent A
9 March	33			14:00: Anat & Phys 15:30: Comp Dent A
16 March	34			14:00: Anat & Phys 15:30: Comp Dent A
23 March	35	Students not expected to attend mentor meeting	Mentor Meeting	14:00: Anat & Phys 15:30: Comp Dent A 16:30hrs Mentor: <i>progress, ideas and suggestions</i>
Friday 3 April	36	Comp Dent A OSPE & WBL A Deadline	Student attendance required	Comp Dent A OSPE Mahara Completion
Easter Vacation (3 weeks)				
27 April	40	Revision		
<u>(DATE TBC)</u> <u>Attendance will be required for 1 or 2 consecutive days some time during these two weeks.</u>	41 and 42	Submit Complete Dentures A practical work Examinations: Dental Anatomy and Physiology Viva Complete Dentures A written Dental Anatomy & Physiology written <u>(DATE TBC)</u>	EXAMINATIONS Student attendance required	