



LEEDS
BECKETT
UNIVERSITY

Course Specification

MSc Advanced Engineering Management

Course Code:MSAEM

2021/22

Admissions enquiries may be directed to:
AdmissionsEnquiries@leedsbeckett.ac.uk.

Course Fees

Course fees and any additional course costs are confirmed in your offer letter. Fees enquiries may be directed to Fees@leedsbeckett.ac.uk.

Timetable Information

Timetables will be made available to students during induction week via:

- i) The Student Outlook Calendar
- ii) The Student Portal (MyBeckett)
- iii) The Leeds Beckett app

Any difficulties relating to timetabled sessions may be discussed with your Course Administrator.

Policies, Standards and Regulations (www.leedsbeckett.ac.uk/academicregulations)

There are no additional or non-standard regulations which relate to your course.

Key Contacts

| | |
|----------------------------------|-----------------------------------------------------------------------------------------------------|
| Your Course Director | Dr. David Love (david.love@leedsbeckett.ac.uk) |
| Your Academic Advisor | Sanela Lazarevski |
| Your Course Administrator | Helen Turpin (h.turpin@leedsbeckett.ac.uk) |

Professional Accreditation or Recognition Associated with the Course

Professional Body N/A

Course Overview:

Aims

The aims of the programme are to enable students to:

1. Apply their skills in the areas of both management and engineering to solve complex problems, requiring effective communication, information retrieval, teamwork and the use of specialist and general IT facilities.
2. Develop and demonstrate self-learning and skills of critical reflection to improve performance, as the foundation for lifelong learning and continuing professional development (CPD)
3. Monitor and adjust a significant personal programme of work on an on-going basis and to defined goals.

4. Exercise initiative and personal responsibility, which may be as a team member or team leader.

Course Learning Outcomes

| No. | Learning Outcome |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | At the end of the course, you will possess a systematic understanding of knowledge, and a critical awareness of current problems and/or new insights, much of it at, or informed by, the forefront of the Engineering and Technology field of study and professional practice. |
| 2 | At the end of the course, you will possess a comprehensive understanding of techniques applicable to your own research or advanced scholarship. |
| 3 | At the end of the course, you will have demonstrated originality in the application of knowledge, together with a practical understanding of how established techniques of research and enquiry are used to create and interpret knowledge in the engineering and management domains. |
| 4 | At the end of the course, you will possess a conceptual understanding that enables you to evaluate critically current research and advanced scholarship in the engineering and management field and evaluate methodologies and develop critiques of them and, where appropriate, to propose new hypotheses |

Teaching and Learning Activities

Summary

The delivery style will encourage independent and collaborative learning through team-based activities. This course enables many practical skills to be developed and students are encouraged to develop their personal interest through individual research. A number of delivery methods are used from guest lectures, group activities, online support and workshop activities.

Students are made aware of the goal of independence in learning and are given explicit guidance on those aspects of their learning for which they are responsible. Key opportunities for students in this regard include the Dissertation modules and guidance on the studying of individual modules.

Scheduled sessions will include the use of lectures, seminars and tutorials, and advantage will be taken of both technology and supportive activities to ensure that effective learning takes place. Some of those supportive activities strongly encourage the student to attend sessions that are not in themselves credit bearing, but which are designed to reinforce the concepts and skills introduced in the credit bearing modules.

These activities will include the use of simulations, role play, case studies, projects, practical work, work-based learning, workshops, peer tutoring, self-managed teams and learner managed learning.

Course Structure

Full time

| | | | |
|--------------------------|-------------|-----------------------------|-------------|
| Level 7 | | | |
| Semester 1 | Core | Semester 2 | Core |
| Eco Engineering | Y | Engineering Systems Control | Y |
| Simulation and Modelling | Y | Lean and Agile Engineering | Y |
| Research Practice | Y | Project Management | Y |
| Semester 3 | Core | | Core |
| Dissertation (60 credit) | Y | | Y |

Part time

| | | | |
|--------------------------|-------------|-----------------------------|-------------|
| Level 7- Year 1 | | | |
| Semester 1 | Core | Semester 2 | Core |
| Eco Engineering | Y | Engineering Systems Control | Y |
| Simulation and Modelling | Y | Lean and Agile Engineering | Y |
| Year 2 | | | |
| Semester 1 | Core | Semester 2 | Core |
| Research Practice | Y | Project Management | Y |
| Semester 3 | Core | | |
| Dissertation (60 credit) | Y | | |

The option modules listed are indicative of a typical year. There may be some variance in the availability of option modules.

Assessment Balance and Scheduled Learning and Teaching Activities by Level

The assessment balance and overall workload associated with this course are calculated from core modules undertaken by students. They have been reviewed and confirmed as representative by the Course Director.

A standard module equates to 200 notional learning hours, which may be comprised of teaching, learning and assessment, any embedded placement activities and independent study. Modules may have more than one component of assessment.

Assessment

On this course students will be assessed predominantly by coursework with some examinations. At the end of the course, students will produce a dissertation reflecting substantial, individual research into a topic chosen by the student.

Workload

The number of hours of workload generally equates to 1800 for Masters programmes, 1200 for PG Diplomas and 600 for PG Certs, corresponding to the national standard of 10 notional hours of learning for each UK HE credit point.

| Overall Workload | Level 7 |
|-----------------------------------|--------------|
| Teaching, Learning and Assessment | 189.5 hours |
| Independent Study | 1610.5 hours |

Learning Support Arrangements

If you have a question or a problem relating to your course, your Course Administrator is there to help you. Course Administrators work closely with academic staff and can make referrals to teaching staff or to specialist professional services as appropriate. They can give you a confirmation of attendance letter, and a transcript. You may also like to contact your Course Rep or the Students' Union Advice team for additional support with course-related questions.

If you have any questions about life at our University in general, call into or contact the Student Hub on either campus to speak to our Student Experience Team. This team, consisting of recent graduates and permanent staff, are available to support you throughout your time here. They will make sure you have access to and are aware of the support, specialist services, and opportunities our University provides. There is a Student Hub on the ground floor of the Rose Bowl at City Campus and one in Campus Central at Headingley. You can also find the team in the Gateway in the Leslie Silver Building at City Campus. Email enquiries may be directed to studentexperience@leedsbeckett.ac.uk.

Within MyBeckett you will see two tabs (Support and Opportunities) where you can find online information and resources for yourself. The Support tab gives you access to details of services available to give you academic and personal support. These include Library Services, the Students' Union, Money advice, Disability advice and support, Wellbeing, International Student Services and Accommodation. There is also an A-Z of Support Services, and access to online appointments/registration.

The Opportunities tab is the place to explore the options you have for jobs, work placements, volunteering, and a wide range of other opportunities. For example, you can find out here how to get help with your CV, prepare for an interview, get a part-time job or voluntary role, take part in an international project, or join societies closer to home.