

SE4024 Project Management

Module status in MSc Professional Engineering: Option **Module credits:** 15

Aims

To develop practical capability in project management within the participant's particular engineering domain, supported by an understanding of the underlying theory and knowledge of project management tools and their application.

Content

This is a generic module specification – whilst adhering to the broad principles set out here, the content of any particular delivery of the module will necessarily depend on the selected engineering domain and the learning contract agreed between the programme participant, Aston University and the participant's professional engineering institution.

Illustrative content: Project definition and plan development. Time and cost estimation. Risk. Control and leadership. Closure and review. Practical applications.

Teaching

The module will be taught wholly or partly through work-based projects supplemented by appropriate individual learning (eg through directed reading) and supported by individual supervision and mentoring. Where specified by the learning contract, formally taught elements from level 4 modules forming part of another EAS MSc programme may be accessed by distance learning (eg EM4003 Project Management).

Assessment

Written reports arising from the work-based project(s) will be assessed. Where content has been accessed by distance learning, and if specified by the learning contract, a proportion of the module mark may be derived from formal assessments associated with the modules accessed.

If assessment is based entirely on work-based activities, the participant's reports should total around 4000 words, or 10-15 pages including appropriate diagrams, tables, etc. Where formal assessment of distance learning provides part of the overall module assessment, reports on work-based activities should be limited to around 2500 words (about 6-9 pages) in total.

Module outcomes

What the participant should gain from successful completion of the module

Teaching/Learning Methods

Assessment Methods

Knowledge and Understanding

Understanding of engineering project management objectives and techniques, as applicable to the selected engineering domain

Work-based projects, supplemented by individual learning and distance learning as appropriate

Written reports, possibly supplemented by exam assessment of distance learning material

Intellectual Skills

Professional/Subject-Specific Skills

Ability to select and apply suitable management and business practices, including evaluation of risk
Provide technical and commercial leadership

Transferable Skills

Effective communication and interpersonal skills
Capacity for initiative and originality in tackling and solving problems
Decision making capability in unpredictable situations

Learning resources

As appropriate to the selected engineering domain and any modules accessed by distance learning

Other modules required in order to take this module

SE4001 Professional Development Audit