Organisational Engineering\textsuperscript{a,b}

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1 Description

The unit takes an engineering perspective to the governance of organisations. Skill development includes systems thinking within and beyond the organisation, as well as the understanding and configuration of its structure and function.

2 Teaching and assessment

\textbf{Class format} Presentations, reflections, questions
\textbf{Project} Formalisation and resolution of a problem in the context of an organisation (v.§ 4, § 5)
\textbf{Workgroups} ca. three to five (3–5) students
\textbf{Criteria} Traceability, objectivity, precision, accuracy (Perdicoúlis, 2012)

3 Programme

\textbf{S01} Unit presentation and logistics
\textbf{S02} Mission, strategy, objectives, operation
\textbf{S03} Economy, finance, marketing
\textbf{S04} Schools of strategy; learning models
\textbf{S05} Problem formalisation; seeking solution
\textbf{S06} Organisational development: culture, spirit, values
\textbf{S07} People; cultural differences; approaches to problems
\textbf{S08} Efficiency; indicators; strategy maps
\textbf{S09} Operationalisation of a strategy
\textbf{S10} Scenarios; simulation; assessment; selection; decision
\textbf{S11} Case study: presentation by the students
\textbf{S12} Operation management; performance
\textbf{S13} Risk management in organisations and their projects
\textbf{S14} The environment around the organisation

\textsuperscript{a} Software Engineering, Mechanical Engineering
\textsuperscript{b} Corresponds to the unit’s generic configuration — v. SIDE for current specifics
4 Document structure

1. Introduction ............................. e.g. the organisation, context, concerns
2. Documentation ............................. e.g. situation (system, operation)
3. Problem ................................. e.g. problem formulation (XYZ); annotations
4. Exploration .............................. e.g. potential solutions; scenario simulation
5. Discussion .............................. i.e. meta/ about (e.g. solutions, outcomes, approach)
6. Wrap-up ..................................... e.g. prospectives, outlook

5 Subjects

1. University ................................. e.g. faculty recruitment strategy
2. ONG on human rights ........................ e.g. EU immigration policy
3. Established company ........................ e.g. globalisation policy
4. Local government .......................... e.g. poverty reduction plan
5. Political candidate .......................... e.g. electoral campaign

6 Reading list