THESIS TOPICS OF ENGINEERING MANAGEMENT MSC.

ISTVÁN BUDAÍ (budai.istvan@eng.unideb.hu)
- Life Cycle Assessment of industrial processes
- Comparative case study on renewable energy systems (especially solar systems)
- 3D simulation system building and simulation of industrial processes by Fishertechnik education system

Maximum applicants: 4 students

ÉVA DIÓSZEGINÉ ZENTAY (zentayevi@eng.unideb.hu)
- Business plan for a company
- Investment analysis
- Complex economical analysis of a company
- Human resource management (achievement, recruitmnet etc.)
- Marketing management (marketing strategy for a company, pricing, promotion etc.)

Maximum applicants: 10

Attila Halczman (haat@eng.unideb.hu)
- Quality management
- Integrated management systems (QMS, EMS, ISMS)

Maximum applicants: 3

BALÁZS KOCSI (kocsi.balazs@inf.unideb.hu)
- Industrial process improvement with the use of BPM or Lean techniques
- Quality control system planning and evaluation
- Explorative case study in the field of TPM (Maintenance strategy planning, Capacity planning, OEE)
- Project management and project monitoring with LogFrame and QFD methods
- Decision making with MCDM (performance measurement of systems)
- Supplier evaluation with advanced techniques
- Risk analysis of a Project (Construction, Make or buy problem, product development)

Maximum applicants: 6 students

DOMICIÁN MÁTÉ (mate.domician@econ.unideb.hu)
- The role of non- and renewable energy resources in output growth
- The effects of patents and trademarks on labor productivity in a sectoral approach
- An ERP system (SAP) in practice in the case of a business organization

Maximum applicants: 2 students
ANDREA MATKÓ (andim@unideb.hu)
- Organisational culture
- Organisational development
- Quality management
Maximum applicants: 10 students

JÓZSEF MENYHÁRT (jozsef.menyhart@eng.unideb.hu)
- Artificial Intelligence in Engineering Management
- Quality, Lean
- Maintenance Engineering
Maximum applicants: infinite

LÁSZLÓ PUSZTAI (pusztai.laszlo@eng.unideb.hu)
- Business process improvement with the use of lean or six sigma methodologies,
- Project management and project evaluation with CPM, PERT and process simulation techniques,
- Production system analysis with network modelling technique,
- Demand forecasting with advanced methods,
- Decision making based on operations research method,
- Material flow optimization.
Maximum applicants: 6 students

CSANÁD SIPOS (csanad.sipos@gmail.com)
- Standardisation of Make or Buy methods
- Supplier Performance Monitoring System
- Development of APQP system
- SupplyOn system extension with advanced VMI
- Comparison of new e-purchasing methods with standard SAP and SAP Ariba system
- Risk analysis for new products
Maximum applicants: 4 students

JÁNOS SZENDREI (szendrei.janos@eng.unideb.hu)
- Renewable Energy Management, Environmental Management
- Logistics
- Supply Chain Management
Maximum applicants: 10 students
JUDIT T. KISS (tkiss@eng.unideb.hu)
- Economic analysis of capital investment aiming at increasing the corporate capacity and productivity (expansion of production capacity). The return on investment.
- Investigations of Corporate Performance Measurement and Evaluation
- Economic study of the use of renewable energy sources (in terms of economy, efficiency and effectiveness)
- Econometric analysis (examination of the relationship between economic or technical variables). The existence or absence of relationship between variables.
- Business Process Improvement through lean management methods (Lean Manufacturing and Six Sigma) and different techniques.

Maximum applicants: 6 students

KATA ANNA VÁRÓ (varokata@eng.unideb.hu)
- Leadership, Management, Organizational Culture, Marketing.
- Negotiation and Conflict Management, Engineering/Professional/Business/Intercultural/Organizational Communication

Maximum applicants:

Debrecen
1st Oktober, 2018.