

IS465: Decisions Support Systems

- Credit Hours (lecture, lab, tutorial): **3** (3 + 0 + 1)
- Prerequisites: IS335, OR101.

Course content: This course covers the following topics: the decision making process, decision making and support systems (DSS), categorization of problem-solving techniques, data management and concepts of the data warehousing, modeling of management problems; linear programming models, simulation models, and forecasting models, model-based management systems, decision support system construction methods, DSS user interface design and management, DSS hardware, software, and technology Levels, knowledge-based systems and expert systems, expert system architecture, knowledge representation, forward and backward chaining, inference, applications of expert systems in decision making, group, distributed, and executive decision support systems.