

1. Course Description

ATKM 700 (952700) Knowledge Management in Organization 1(1-0-2)

Organization in Knowledge based society and economy, new paradigm for organizations, organizational structure & value chain, knowledge management and organization, the emerging need for learning organizations, the system learning organization model

ATKM 701 (952701) Fundamental Aspects in Knowledge Management

3(3-0-6)

Introduction to KM and conceptual framework of knowledge management, double Loop learning, system thinking, model of dynamic knowledge creation; SECI model; community of practice; BA, learning in action, intellectual capital, cases of knowledge management in organization

ATKM 702 (952702) Knowledge Management Implementation 3(3-0-6)

Approaches to implementing knowledge management, creation of learning climate and its components, relationship among people-process-technology, connecting people to people, team and leadership for knowledge sharing, community of Practice (CoP), information technology in human resource systems, problem solving and creative thinking, tools and strategies of solving learning problems, learning systems assessment

ATKM 703 (952703) Applications of Information and Communication Technology in

3(3-0-6)

Knowledge Management

Introduction to application of ICT in KM; knowledge work and knowledge worker, internet; intranet and extranet; electronic learning system; follow-up system; exploration and evaluation system, collaborative technology; lesson learned experience of experts for organization problem solving, electronic meeting system; forum discussion system, document and content management system; search engines, ethical dilemma in ICT utilization; emerging technology in knowledge management

ATKM 704 (952704) Knowledge Management Research Principles 3(3-0-6)

General research methodology and knowledge management research process, problem analysis for research question, qualitative and quantitative analysis, applying KM principles to research, literature searching and critical reviewing, data collection from knowledge workers, ISO

12207 standard procedure and activities, writing research proposal and practice; ethics in research, present proposal of independent study/thesis

ATKM 711 (952711) Knowledge Engineering

3(3-0-6)

Value of knowledge and knowledge engineering basics, the organizational task, Its context, and knowledge management in the organization, components and templates of knowledge models and knowledge model construction, techniques of knowledge elicitation and synthesis, modeling communication aspects, designing, implementing, managing knowledge systems, knowledge engineering application, advanced knowledge modeling, unified modeling language notations used in common KADS

ATKM.712 (952712) Information Mining and Analysis

3(3-0-6)

Data preprocessing, data exploration, data classification; association rules, data clustering, time series forecasting, anomaly detection, feature selection

ATKM.713 (952713) Data Management and Analytics

3(3-0-6)

Introduction to data management and analytics, database management system, online transaction processing (OLTP), data warehouse architecture, extract; transform; load (ETL), online analytical processing (OLAP), introduction to data visualization and business intelligent, introduction to decision support systems

ATKM 721 (952721) Knowledge Management and Innovation Foundation

3(3-0-6)

Theory of innovation and source of innovation, the development of innovation, analyzing and synthesizing innovations, new way of thinking, tools for manage innovations

ATKM 722 (952722)

Knowledge Management Strategies and Policies

3(3-0-6)

Knowledge management concept as a significant driving mechanism of continuing human resource development, SWOT analysis and opportunity of human resource development, policy implementation to strategic plans by knowledge management process, development strategy

supporting creative economy and industrial growth, apply knowledge management process to value-based creative economy

ATKM 723 (952723) Strategic Issues & Case Studies in Knowledge Management 3(3-0-6)

Innovative knowledge management with a conceptual model, organization analysis through knowledge management concept, organization characteristics and suitable knowledge management framework, analysis of selected case studies and apply knowledge management concept, apply knowledge management concept and develop organization knowledge management strategy

ATKM 724 (952724) Knowledge Management for Project Management

3(3-0-6)

Knowledge management process for the project, the project management framework, project life cycle and organization, project management processes for a project, the project management knowledge areas, project integration management, project scope management, project time cost and quality management, project human resource management, project communication management

ATKM 731 (952731) Community of Practice

3(3-0-6)

Definition of communities of practice (CoPs), legitimate peripheral participation and situated learning, differentiating CoPs and other organizational structures, different forms of CoPs, characteristics of CoPs: domain; community and practice, value of CoPs to organizations and their members, linking CoPs with knowledge sharing, stage model of the evolution of communities, building and cultivating CoPs, virtual communities

ATKM 741 (952741) Customer Knowledge Management

3(3-0-6)

Introduction to customer knowledge management; theory; principle and concept, develop and importance of customer knowledge management, relationship marketing management, customer relationship management, supplier relationship management, a success of customer knowledge management, sustainable customer knowledge, case studies from success organization

ATKM 743 (952743) Intellectual Capital Management 3(3-0-6)

Knowledge based society and economy, knowledge management and intellectual capital, intellectual capital and skandia model (human capital; structural capital; relational capital), intellectual capital management and measurement, managerial challenges of social capital, market based assets and reporting of intellectual capital, intellectual capital to intellectual property

ATKM 744 (952744) Talent Management to Organizational Excellence

3(3-0-6)

Introduction to talent management to organizational excellence, principles and process of HRM; HRD; and talent management, workforce planning, competency and performance appraisals and career planning, strategies for developing talent management, talent retention in organization, students presentation: application talent management principles to their organization

ATKM 752 (952752) Knowledge Management and Information Technology for E-Business

3(3-0-6)

The development of e-business focused knowledge, knowledge management technologies for e-business, recent developments in information technology; internet, enterprise resource planning systems, knowledge management technologies for E-Business, the role of knowledge management in building e-business strategy, knowledge management for e-enterprise performance, knowledge management for e-business performance

ATKM 753 (952753) Intelligent Enterprises 3(3-0-6)

Intelligent enterprises, level of intelligence and composition of intelligence, requirement analysis, technology for intelligent enterprises, on-line analytical processing multidimensional model, real time analysis, drill-down, decision support system forecasting and decision trees, search and report system

ATKM 754 (952754) Data Visualization in Knowledge Management 3(3-0-6)

Data management, exploratory data analysis, quantitative statistics analysis, data and image model, visualization design

ATKM 761 (952761) Workplace Learning and Development 3(3-0-6)

Workplace learning and development, competency and knowledge; skills and attitude, analyzing development needs, adult learning, experiential learning and learning styles, theory of competence, learning and development methods, assessing the impact of learning and development

ATKM 762 (952762) Leading Change for Learning Organization 3(3-0-6)

Organization and change, leading for change, changing organization methodology, steps for changing, organizational transformation, organizational factor for change, changing to learning organization, organizational change management cases

ATKM 763 (952763) Excellent Knowledge Management Model 3(3-0-6)

Development of excellent KM model at an organizational level with appropriate concept, analysis of the efficiency of the participatory KM approach with the organizational leaders' involvement, constructing standard and acceptable criteria for the excellent KM model's appropriateness assessment, the excellent KM model's appropriateness assessment with positive dimension toward the good organizational images, the excellent KM model's good governance, inputs, and process with participatory and efficient leadership

ATKM 764 (952764) Knowledge Management Practices in Small and Medium-sized Enterprises 3(3-0-6)

Concept of knowledge management, analyze strengths; weaknesses and environment of SMEs and family businesses, suitable knowledge management process for SMEs and family businesses, develop management technique to support knowledge management, case studies and development of organization knowledge management strategy

ATKM 773 (952773) Risk Management 3(3-0-6)

Introduction; context establishment and risk identification, enterprise risk management, strategic risk management, supply chain risk management, risk assessment techniques, risk-based decision making

ATKM 775 (952775) Asset Management 3(3-0-6)

The basic principles and processes of knowledge management for the asset management, to gather, organize, create exchange and apply knowledge and asset management in an organization or community, a process for planning, implementation, maintenance, repairs and control of assets, to sell or asset management, To push for further urban development, asset management, a sustainable residential community, to push the "historical knowledge management, art, culture and architecture of the community, the application of knowledge management processes for the management, assets in the organization or community

ATKM 791 (952791) Seminar in Knowledge Management and Innovation 1 3(3-0-6)

Sharing in organization development issues, and case studies of the integration of knowledge management theories and conceptual framework for the organization development in various perspectives

**ATKM 792 (952792) Seminar in Knowledge Management and Innovation 2
3(3-0-6)**

Issue, problems and trend in knowledge management research, including research methodology, technology and tools used in research and the utilization of the research findings

**ATKM 798 (952798) Independence Study 6
Credits**

Prerequisite: Approved thesis proposal or registration concurrently with submission of thesis proposal

**ATKM 799 (952799) Master' Thesis 12
Credits**

Approved thesis proposal or registration concurrently with submission of thesis proposal