

## **TRAINING COURSES**

### **Seminars specialization – 5 main blocks:**

1. Science and pedagogic
2. Technical skills and knowledge
3. Business and management
4. Quality management
5. Religion

## **I. Scientific and pedagogical activity**

### *Scientific & research activity*

1. Characteristics of scientific activity in technical area
2. Writing of scientific papers – structure, execution, formatting, presenting of paper, introduction and conclusion, key words, abstract, figures, formulas).
3. Preparation of scientific presentation.
4. Work on PhD and DrScthesises
5. Interaction with scientific supervisor, opponents.
6. How to answer the questions of specialists.
7. Drawing up and protection of intellectual property.
8. Technique of scientific experiment, results processing, calculation of statistical parameters.

### *Pedagogical activity*

1. Basics of pedagogic and psychology in technical university.
2. Interaction with audience, selection of active groups, initiation of self work
3. Preparation and conducting of lection.
4. Preparation and conducting of practical work.
5. Preparation and conducting of laboratory practicum.
6. Organization of independent work at audience.
7. Organization of learning seminars and student presentations.
8. Organization of control measures.
9. Multimedia learning means.
10. Preparation of materials for distance education

## **II. Technical skills and knowledge**

### *Software development process (3 level)*

1. The systems development life cycle in systems engineering, information systems and software engineering and the models and methodologies to develop these systems;
2. Software engineering;

3. UML diagrams;
4. Software integration and testing;

### ***Project Management (3 level)***

1. Project, Program and Portfolio Management
2. The Project Charter
3. Planning the Project
4. Executing the Plan
5. Monitoring and Controlling the Project Work
6. The Science of Procurement, Information and Project Performance
7. Professional Responsibility

### ***Web Technologies and Web Programming and Data Base***

1. Introduction to Programming Concepts
2. Introduction to web-technologies: HTML , Designing Accessible Websites, Cascading Style Sheets, XML.
3. Introduction to web-programming: Javascript, PHP.
4. Database Design. Introduction to SQL Server. SQL (Using Access). SQL (Using MySQL)

### ***Web Graphics and Multimedia (level 2)***

1. Design Concepts of technical Web
2. Adobe Flash (Intermediate)
3. Adobe Flash (Advanced)
4. Photoshop
5. Web Animation with Flash
6. Macromedia Fireworks
7. Photoshop for the technical Web (level 3)

### ***Web Business***

1. Legal Issues for Web Designers and Content Managers
2. Web Content Writing
3. Search Engine Optimization
4. Web Site Promotion
5. Introduction to Web Analytics
6. Logos Design
7. Web Design
8. Mobile Web Design
9. Web Security

### ***Basic computer-competent (1 level)***

1. Preparation of scientific document [Microsoft Word 2007](#)
2. Preparation of scientific document Microsoft Exel 2007
3. Preparation of scientific presentation Microsoft Power Point 2007

### *Computer simulation software (3 level)*

1. Technical computing with computational software program Mathematica
2. Engineering calculations with computer software program MathCad
3. Numerical computing with computational software program MatLab

## **III. Business and Management activity**

### *Management and Entrepreneurship (Small and Medium Business)*

1. Basis of management: planning, organization, motivating, controlling, coordinating
2. Science-theoretical principles of commercial activity
3. Licensing and patenting of the business
4. Marketing researches and market segmentation
5. Investment to the business activity
6. Innovation system, management of innovation development of enterprise
7. Business-planning
8. Risks and efficiency of commercial activity
9. Banks and banking
10. Business ethics. Ethics of business relations. Business etiquette. Business documentation. Rhetoric.

*Course consists of 3 levels: low, medium, high.*

*Low level: for women who don't have any base in Management and Entrepreneurship. It's more theoretical, also includes practical classes, group and team works. They will be able to get basis knowledge in this sphere and after go to the next levels.*

*Medium level: for women who are willing to open business and need to get assistance, to update knowledge, More practical classes, business games and cases will be used on this level.*

*High level: for women who have business. During lectures, practical classes, seminars, round tables, conferences etc. women will be able to:*

- *get more knowledge from lecturers about specifics of doing business in foreign countries*
- *discuss problems and perspectives of "women" business in their native countries*
- *open joint ventures*
- *find staff*
- *train/coach staff for doing business in different countries*
- *get access to foreign data-base*

#### **IV. Quality management**

##### *Total Quality Control model*

1. Criteria of quality management and their weight coefficients
2. Quality management tools
3. European model of quality management
4. European Foundation for Quality Management
5. Japanese models of quality management – quality circles, “five zeros” program, JIT system (Just-In-Time), Kanban system
6. Seven tools of Japanese model
7. Total quality management
8. System control principle
9. Quality management in general management system
10. Experience of quality management in partner countries

#### **V. Religion**

##### *Religion – Science – Business*

1. Women in Islam. Rights and obligations.
2. Women in Christianity. Rights and obligations.
3. Lifestyle of women in foreign country. Muslim in Christian country and vice versa.
4. Change of the religion. Is it good?
5. Education and religion.
6. Science and religion.
7. Business and religion.
8. Religion and business ethics and etiquette.

*This course is one of the main one, it helps to understand specific conditions of women lifestyle, education and doing business in foreign countries. This course is both for women and men.*

##### *Religious tourism for pilgrimage destinations (Dunira strategy)*

**Some lectures, seminars, meetings, conferences etc. will be held on distance, using Skype and making video-conferences.**

**During project realization for spreading information and attracting of the new interested parties will be design, created and started:**

- web-platform – web-page of the project

- women science-religion journal
- brochures, posters and other print products