Title of the course

Systemology of Thinking

Annotation

The aim of the course is to study systemology of thinking as reflection of observed real world phenomena in person's consciousness as well as the basic concepts of corresponding systems theory and use of them in real life practice.
The tasks of the course:

- to acquire **knowledge –** philosophical and psychological background as well as general concepts of systems theory, the main types of the systems and use of systems theory in manifold human's life practice;
- to acquire **skills** - analysis and synthesis of simple systems, understanding of the hierarchy of complex systems;
- to develop systemic set of **attitudes** in the context of contemporary global social development of our life in Europe and Latvia.

Requirements for getting credit points

Realization of educational scientific research "Systems Thinking" with final presentation of written research survey and oral public report about basic personal findings as a result of corresponding research.

Content of the course

Topic No 1. Prologue and Introduction
Lectures – 6 hours Seminar – 2 hours

Lecture. Prologue – mission and vision of the course, universal structure of human's life activities "cognition-consideration-behaviour" and corresponding structure of human's life experience "knowledge-attitudes-skills".
Lecture. Organization of study process – realization of educational scientific research "Systems Thinking"
Lecture. Basic concepts of study course – thinking as spiritual activity of human, arrangement of human's World of Thoughts and Systems Thinking
Seminar. Reflection of Material World within human's conscious World of Thoughts

Topic No 2. Human within World and World within Human
Lectures – 6 hours Seminar – 4 hours

Lecture. World as a set of manifold phenomena and Human as one those phenomena or changing bodies. Human's body and spirit, spirit as unity of human's feelings, mind and will.
Lecture. Human's Life as a set of manifold human's activities within his/her cooperation with corresponding life media (society, natural and technical environment).

Lecture. Universal cycle of human's life activities - "cognition-consideration-behaviour", hierarchy of human's life activities, purposeful human's life activities.
Seminar. Homo Sapiens (feelings, mind and will above instincts).
Seminar. Society as a set of manifold humans**.**

Topic No 3. Fundamentals of System Theory
Lecture – 2 hours

Lecture. Systems Theory – overview of general concepts and its basic relationships. Systemology as applied systems theory for systemic awareness of concrete phenomena and realization of corresponding thought structures in real practice.

Topic No 4. Systems Theory in Practice
Seminars – 10 hours

Seminar. Systemology of State– systemic organization of states, basic structures of social organizations.
Seminar. Systemology of Management – universal structure of purposeful activities, hierarchy of management activities, dialectics of management and corresponding execution of purposeful activities
Seminar. Systemology of Research – mission and vision of research activities, systemic organization of research activities, development of systems with important for humans properties.
Seminar. Systemology of Education – educational activities as specially organized activities for gaining human's new life experience for life. What education for what Life?
Seminar. Systemology of Personality – personality as a system of human's spiritual properties, purposeful development of human's personality.

Topic No 5. Conclusion and Epilogue
Lecture – 2 hours Public examination

Lecture. Analysis and valuation of study course realization

Plan of the course

Topic No 1. Prologue and Introduction (lectures – 6 hours, seminar – 2 hours)
Topic No 2. Human within World and World within Human
(lectures – 6 hours, seminar – 4 hours)
Topic No 3. Fundamentals of System Theory (lecture – 2 hours)
Topic No 4. Systems Theory in Practice (seminars – 10 hours)
Topic No 5. Conclusion and Epilogue (lecture – 2 hours, public examination)