

LIST OF LECTURES

CODE	LECTURE TOPIC	LECTURE OUTLINE
5a	"Using Systems Thinking to Explore the Competitiveness of the US Shipbuilding: Is Systems Thinking Critical in the Engineering Community in the U.S. Shipbuilding Industry and if yes, in What Category of Employees"	System Thinking: New era of shipbuilding
		Structurally formed processes: (1) formulation of quality escapes
		Structurally formed processes: (2) conceptualization of quality escapes
		Understanding of engineering and management activities at different level: postulates
		Formation of the postulates towards cost-effectiveness and their reliability (recruiting, defending of engineering work through academic work, defending engineering work through live media)
88a	"To address technical issues through working processes"	Conflict between the existing conditions of the economy and increasing number of quality escapes / errors
		Increasing number of quality escapes in the industry: historical quality escapes (experience)
		Increasing number of quality escapes in the industry: situational quality escapes (intuition)
		Increasing number of quality escapes in the industry: know-how quality escapes
89a1	U.S. Senate representative brought to the attention of the shipbuilding organizations a need to revise their priorities in spending	Dis-balance in communication: US Senate – Navy / Pentagon – Industry
		Resolution through balance of interests from the industry
		Communication with a Doctoral student, resident, shipbuilding professional, woman -engineer
		"Work under fear of being fired"
		Conditions of the shipbuilding industry and demands to the Senate to keep these conditions through "balance of interests"
6a3	U.S. Senator – Shipbuilding industry, as a representation of the industry in the U.S. Senate	Strategic plan of the shipbuilding company
		Stages for presenting a shipbuilding company in the U.S. Senate
		Forms and establishment of forms for communication of the shipbuilding company with the U.S, Senate
		Integration as a rule for seeing U.S. Senate representative in the Company

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7a	Shipbuilding industry as a goal for the country	<p>Stages of integration</p> <p>Shipbuilding industry as effective tool for a country</p> <p>Shipbuilding industry and its connection to the national industry</p> <p>Stabilization of the economy and a country</p> <p>Requirements of manufacturing and conditions of quality</p> <p>Manufacturing and cost-effectiveness</p> <p>Stages of Competitiveness in conjunction with Systems Thinking</p> <p>Is Systems Thinking Critical in the Engineering Community in the U.S. Shipbuilding Industry and if yes, in What Category of Employees</p> <p>Modern US shipbuilding industry: on the way to a new configuration in the open (competitive) process</p> <p>Shipbuilding industry as a self-organizing industry in an open (competitive) context and its role in the status of the national industrial potential</p> <p>Meeting notes to the meeting with Prof. Osman Turan, University of Strathclyde</p> <p>Transformation of a Manager into a Leader</p> <p>A STORY "Is Systems Thinking Critical in the Engineering Community in the U.S. Shipbuilding Industry and if yes, in What Category of Employees"</p>
8a2	Constructive process, effective process or historically justified process: formation of shipbuilding industry	<p>Academia: cross-sections with the industry</p> <p>Industry: evolving academic structure within</p> <p>Vision of the Senate: academia within the industry</p> <p>Collaboration: strategy of collaboration</p> <p>Quality of the product produced in the industry, as a joint effort for development of stabilization factors for economic processes</p>

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CODE	LECTURE TOPIC	LECTURE OUTLINE
8a4	Evolving the industry as a foundation for formation of concepts for technical specifications	Welding: strategy Assembly: strategy Robotization in the process of installation of equipment Standardization of the structural blocks of the hall
74aa	Patents- taxes as a new flow of investments	Consultations at the level of patents Strategy for patents Formation of pool of patents Expansion of rights of patent holders
8a6	Constants of inconstancy	Non-communicating is worse than communicate and getting this type of answers Finding instrumentation for a person to be responsible for making a decision, a beginning stage is communication through an element of respect to engineering Status of engineering has been destroyed during the last 100 years Hollywood's aspect of respect to replace with the respect for formations through educational aspects
9a1	Social-ethical Issues: Errors -Experience- Economy LECTURE OUTLINE	Existing conditions in the shipbuilding industry through conceptual methods in the context of research work of PhD students in management science
11a	Fragments of activities of a Doctoral student in the Navy institutions	Under development