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**Boosting the role of HEIs in the industrial transformation towards the
Industry 4.0 paradigm in Georgia and Ukraine / HEIn4**

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HEI: P07, Business and Technology University, Georgia

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Syllabus

„Industrial Transformation and Technical Changes”

Information about the Course				Code	
Name	ინდუსტრიული ტრანსფორმაცია და ტექნოლოგიური ცვლილებები Industrial Transformation and Technical Changes				
Study Level	<input type="checkbox"/> Bachelor	<input checked="" type="checkbox"/> Master	<input type="checkbox"/> PhD		
Prerequisite	Without prerequisite				
Language	Georgian/English				
ECTS (1 ECTS = 25 სთ)	6	32	Contact hrs.	118	Independent hrs.
Type (Status)	<input type="checkbox"/> Mandatory	Program: Business Administration and Modern Technologies -			
	<input checked="" type="checkbox"/> Elective				
Organizing the Semester	I-XV	Lecture/Other			
	VIII	Mid-term Exam			
	XVI	Preparation for Final Exam			
	XVII / XVIII	Final Exam			
	Additional Exam	Additional Exam (is held in not less than 5 days after announcement of final exam results; covers all the study materials; time period specified for additional exam (preparation, passing and assessment period) is not a part of the credit)			
Consultancy	1-hour weekly upon students request				

Information about syllabus author(s) and implementing person(s)			
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Position	Invited Lecturer	E-mail	Giorgi.janjalia@btu.edu.ge

Study Course Description

Purpose	
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Main Topics of the Study Course		Study Methods
1.	What is change management, Types of change	interactive lecture, team work, brainstorm, etc
2.	Resistance to change	
3.	Organization culture and change	
4.	Stakeholder management during change process	
5.	What is Digital Transformation?	
6.	It and Change	
7.	Digital Transformation and Strategy	
8.	What is Industrial Transformation	
9.	How Digital Platforms Transform Industry	
10.	What prevents Georgia from transforming?	
<i>Note: Study methods are explained on BTU's webpage www.btu.edu.ge (Section "Study in BTU").</i>		

Criteria

	Practical Work	Essay	Discussion	Presentation	Project	MCQ/Open Question
1.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Basic Literature	TECHNOLOGICAL CHANGE AND INDUSTRIAL TRANSFORMATION, Edited by Vicky Long and Magnus Holmén, Routledge Studies in Innovation, Organizations and Technology, 2021
Additional Literature	LEAD AND DISRUPT, HOW TO SOLVE THE INNOVATOR'S DILEMMA, 2 nd edition, Charles A. O'Reilly III and Michael L. Tushman, STANFORD BUSINESS BOOKS An Imprint of Stanford University Press Stanford, California
Internet and other Resources	

Week	Hr.	Content	Basic Literature
I	2	<u>Syllabus Review</u>	
		Topic: Introduction to the course	
II	1	Topic: What is change management	[1]
	1	Case/Practical Work/Team Work	
III	1	Topic: What requires change?	[1]
	1	Case/Practical Work/Team Work	
IV	1	Topic: Types of Change	[1]
	1	Case/Practical Work/Team Work	
V	1	Topic: Resistance to change	[1]
	1	Case/Practical Work/Team Work	
VI	1	Topic: Organization culture and change	[1]
	1	Case/Practical Work/Team Work	
VII	1	Topic: Stakeholder management during change process	[1]
	1	Case/Practical Work/Team Work	
VIII	2	Midterm Exam	
IX	1	Topic: What is Digital Transformation?	[1]
	1	<u>Review of mid-term exam results</u>	
X	1	Topic: It and Change	[1]
	1	Case/Practical Work/Team Work	
XI	1	Topic: Digital Transformation and Strategy	[1]
	1	Case/Practical Work/Team Work	
XII	1	Topic: What is Industrial Transformation	[1]
	1	Case/Practical Work/Team Work	
XIII	1	Topic: How Digital Platforms Transform Industry	[1]
	1	Case/Practical Work/Team Work	
XIV	1	Topic: Doing More by Knowing Less	[1]
	1	Case/Practical Work/Team Work	
XV	1	Topic: Blockchain transforming Financial Industry	[1]
	1	Case/Practical Work/Team Work	
XVI	1	Topic: What prevents Georgia from transforming?	[1]
	1	Case/Practical Work/Team Work	

Assessment System

Study component includes two forms of assessment – mid-term assessment and final assessment. Mid-term assessment components have its share in maximum score of mid-term assessment form. In mid-term and final assessment forms specify minimal competence limits (minimum points). If the student gains less than minimal competence point, he/she won't be admitted to final assessment. It's necessary to gain more than minimal competence point in final assessment form. Unacceptable to grant the credit according to only one assessment form (mid-term or final assessment). Final assessment (point) for the study course is sum of the mid-term and final assessment form points (fraction points are rounded to whole according to following rule: 4 and less – round down, 5 and more – round up). Pursuing the current law, BTU students' assessment 100-points system allows:

5 positive assessments:				2 negative assessments:			
1	91 - 100 points	A	Excellent	1	41 - 50 points	F X	Did not pass
2	81 - 90 points	B	Very good	Student needs to prepare further and they are given opportunity to work independently and re-take the exam.			
3	71 - 80 points	C	Good				
4	61 - 70 points	D	Satisfactory	2	40 - 0 points	F	Failed
5	51 - 60 points	E	Enough	Work is not sufficient; the course is needed to be re-taken.			

Additional exam points aren't added to final exam points. Additional exam points are final assessment and are reflected as study course final assessment. If additional exam points are within 0-50, F=0 assessment is submitted. Credit is granted only if one of the positive assessments are given to student pursuing the law.

Mid-term Assessment			Final Assessment	
Including:	Max 100%	Min 41%	Max 100%	Min 41%
	60	24.6	40	16.4
Semester Assessment:	30	12.3		
Practical Work, Presentation	10	4.1		
Case Discussion	15	6.15		
Industry Change Project	15	6.15		
Mid-term Exam	30	12.3		

Assessment Components, Methods, Criteria

Information for students

Plagiarism	Unacceptable to use papers, reports, ideas and opinion of others without providing the source. If source is not provided, the lecturer is obliged to leave the student without assessment.
Copying / dictation	This kind of conduct is forbidden for any kind of activity (homework, exam, abstract, report, presentation). In this case, the lecturer is obliged to leave the student without assessment.
Possibility to recover mid-term assessment	In case, student is absent on mid-term assessment for honorary cause (Illness, necessity of being in workplace at these hours, business trip, etc.). For recovering mid-term assessment, student should make statement to university administration. Recovery date is defined by the lecturer. Discussions/debates are not subject to recovery.
Obligation to follow exam/presentation duration and rules of conduct	BTU limits the time of exams and presentations. Student doesn't have right to voluntarily increase the established limit or require increase of the limit for him/her. Student is obliged to follow the rules of conduct.
Assessment Appeal	In case, student's report is assessed by one person, student has the right to appeal granted assessment pursuing the rule established by BTU.