

**CHARLES UNIVERSITY**  
**FACULTY OF SOCIAL SCIENCES**

**annual assessment of fulfillment of individual study plan  
of doctoral student**

**for the academic year 2020/2021**

**Plan ID 16100**

**Student**

Name	Levan Bezhanishvili
E-mail	81266017@fsv.cuni.cz
Faculty	Faculty of Social Sciences
Study programme	Economics and Finance (P0311D050002)
Původní studijní program	Economic Theory (P6201)
Původní studijní obor	Economics (6201V004)
Datum změny studijního programu	01.11.2019
Standard length of the study (number of years)	4
Form of study	full-time
Date of commencement of doctoral study	24.09.2018

**Study programme guarantor  
and Chair of subject area board**

Name **prof. Ing. Evžen Kočenda, M.A., Ph.D., DSc.**

**Supervisor**

Name	Mgr. Milan Ščasný, Ph.D.
E-mail	milan.scasny@czp.cuni.cz
Department / Institute	Institute of Economic Studies (23-IES)

**Doctoral dissertation**

<b>Title of thesis</b>
Economic Impact of Working Hours Shift in Georgia
<b>Progress on the doctoral dissertation</b>
We are going to make research on the initiative of the Georgian government, adopted in 2014 to shift working hours of public servants 1 hour backward. Several research questions about the new policy are assessed, including: whether government services are more accessible; if the new policy lead to the reduction of electricity consumption in Georgia; how the policy affected the amount of time family members working in different sectors spend together; whether the policy had a positive impact on female labor participation in the public sector. With respect to the latter question, we hypothesize that the previous system was discouraging some women from full-time employment in the public sector, due to the fact that the previous system left women with less time for family-related activities. In order to answer the stated questions, household surveys will be conducted and the collected data will be analyzed using different complementary statistical methods: Difference in differences, descriptive statistics. If we allow that the initiative of the government to be anticipated then policy shock will be endogenous. Due to this fact, we could use 2SLS and IV for valid identification.
Selective list of references:
> Cortes, P., & Pan, J. (2017). Cross-country evidence on the relationship between overwork and skilled women's job choices. <i>American Economic Review</i> , 107(5), 105-09.
> Gicheva, D. (2013). Working long hours and early career outcomes in the high-end labor market. <i>Journal of Labor Economics</i> , 31(4), 785-824.
> Goldin, C. (2014). A grand gender convergence: Its last chapter. <i>American Economic Review</i> , 104(4), 1091-1119.
> Herr, J. L., & Wolfram, C. D. (2012). Work environment and opt-out rates at motherhood across high-education career paths. <i>ILR Review</i> , 65(4), 928-950.
> Jaumotte, F. (2003). Female labour force participation: past trends and main determinants in OECD countries.
> Kingston, P. W., & Nock, S. L. (1987). Time together among dual-earner couples. <i>American Sociological Review</i> , 391-400.
> Nock, S. L., & Kingston, P. W. (1988). Time with children: The impact of couples' work-time commitments. <i>Social Forces</i> , 67(1), 59-85.
> Sayer, L. C. (2005). Gender, time and inequality: Trends in women's and men's paid work, unpaid work and free time. <i>Social forces</i> , 84(1), 285-303.
> Vlasblom, J. D., & Schippers, J. J. (2004). Increases in female labour force participation in Europe: Similarities and differences. <i>European Journal of Population/Revue Européenne de Démographie</i> , 20(4), 375-392.
Form and scope of the dissertation:
The dissertation will have between 100 and 200 standard pages.
Time Schedule of progress on the dissertation:
1st year of study Work on the first dissertation article with an expected title "Economic Impact of Working Hours Shift in Georgia".
2nd year of study Work on the second dissertation article.
3rd year of study Completion of the dissertation with the third article.
4th year of study Finishing, Pre-defense, and Defense of the dissertation
<b>Annual commentary on progress on doctoral dissertation</b>

**Course of study**

Scheduled date of the state doctoral examination: November 2020
Scheduled date of the pre-defense: November 2021
Scheduled date of the defense of the dissertation: May 2022

## Duties – study plan

Type	Code	Title, details	Ac. year	Fulfillment according to student	Fulfilled according to SIS	Commentary to annual assessment	Year of insertion
Course	JED415	Quantitative Methods II	2018/2019	fulfilled 2019/2020	23.05.2019 12:05	I have successfully fulfilled all requirements for the Quantitative Methods II seminar.	2018/2019
Course	JED511	Teaching Assistantship (Full) A	2018/2019	fulfilled 2019/2020	18.02.2020 12:02	I have successfully fulfilled all my TA assistantship duties for the International Finance class (JEB050).	2018/2019
Course	JED511	Teaching Assistantship (Full) A	2019/2020	fulfilled 2019/2020	25.05.2020 12:05	I have successfully fulfilled all my TA assistantship duties for the Statistics class (JEB105).	2018/2019
Course	JED110	Institutional Economics and Economic Policy II	2020/2021	fulfilled	13.05.2021 12:05	Course requirements fulfilled.	2018/2019
Course	JED511	Teaching Assistantship (Full) A	2020/2021	fulfilled	22.02.2021 12:02	I have successfully fulfilled all my TA assistantship duties for the Statistics class (JEB105).	2018/2019
Course	JED109	Institutional Economics and Economic Policy I	2020/2021	fulfilled	01.02.2021 12:02	Course requirements fulfilled.	2018/2019
Course	JED414	Quantitative Methods in Macroeconomics and Finance I	2021/2022	---	---	---	2018/2019
Course	JED415	Quantitative Methods in Macroeconomics and Finance II	2021/2022	---	---	---	2018/2019
Course	JED511	Teaching Assistantship (Full) A	2021/2022	---	---	---	2018/2019
Course	JED611	Teaching Assistantship (Full) B	2021/2022	---	---	---	2018/2019
Course	JED511	Teaching Assistantship (Full) A	2019/2020	fulfilled	20.07.2020 12:07	I have successfully fulfilled all my TA assistantship duties for the Introductory Statistics class (JEB142).	2018/2019
Course	JED511	Teaching Assistantship (Full) A	2020/2021	fulfilled	14.05.2021 12:05	I have successfully fulfilled all my TA assistantship duties for the Introductory Statistics class (JEB142).	2018/2019
Course	JED511	Teaching Assistantship (Full) A	2021/2022	---	---	---	2018/2019
Course	JED414	Quantitative Methods in Macroeconomics and Finance I	2019/2020	fulfilled 2019/2020	05.02.2020 12:02	I have successfully fulfilled all requirements of the seminar.	2019/2020
Course	JED415	Quantitative Methods in Macroeconomics and Finance II	2019/2020	fulfilled 2019/2020	22.05.2020 12:05	I have successfully fulfilled all requirements of the seminar.	2019/2020
Course	JED414	Quantitative Methods in Macroeconomics and Finance I	2020/2021	fulfilled	01.02.2021 12:02	Course requirements fulfilled.	2018/2019
Course	JED415	Quantitative Methods in Macroeconomics and Finance II	2020/2021	fulfilled	---	Course requirements fulfilled.	2020/2021
Course	JED611	Teaching Assistantship (Full) B	2020/2021	fulfilled	---	I have successfully fulfilled all my TA assistantship duties for the Microeconomics I class (JEB104).	2020/2021
Course	JED521	Teaching Assistantship (Half) A	2020/2021	fulfilled	16.02.2021 12:02	I have successfully fulfilled all my TA assistantship duties for the Energy Markets & Economics class (JEM162).	2020/2021
Course	JSZEE1	State Doctoral Exam	2021/2022	---	---	---	2019/2020
Course	JOBEE1	Defence of Dissertation	2021/2022	---	---	---	2019/2020

## Duties – other

Type	Code	Title, details	Ac. year	Fulfillment according to student	Fulfilled according to SIS	Commentary to annual assessment
Other	---	BT and MT refereeing I will serve as an opponent of Bachelor's and Master's theses.	2018/2019	fulfilled 2018/2019	---	---
Other	---	Defenses I will attend at least 50% of dissertation	2018/2019	fulfilled 2018/2019	---	participation in more than 50 % of defenses.
Other	---	Methodological seminar for PhD students In the 1st year of study, I will attend a methodological seminar for teaching.	2018/2019	fulfilled 2018/2019	---	---

Type	Code	Title, details	Ac. year	Fulfillment according to student	Fulfilled according to SIS	Commentary to annual assessment
Other	---	Study Documents Till May 31 of this academic year, I will have delivered my "Annual assessment of fulfilling the ISP" + "Supplement", in which I further specify the intended course of my doctoral studies over the next academic year. In the case of termination of my study interruption, I will fill in the required documents ("Annual assessment of fulfilling the ISP" + "Supplement" for the next academic year) within a month from the end of my study interruption period.	2018/2019	fulfilled 2018/2019	---	---
Conference	---	Conferences participation By the end of 4th year of study, I will have participated in at least two international scientific conferences.	2021/2022	---	---	---
Other	---	Grant activities Application to the Grant Agency of the UK competition. In case my project will not be accepted for financing, I will submit the new application in subsequent years of study.	2019/2020	fulfilled 2019/2020	---	I have submitted two of GAUK's projects. The project with the title: "THE EFFECT OF NON-LINEAR TARIFF ON ENERGY DEMAND AND INVESTMENT IN ELECTRIC DURABLES IN TRANSITION ECONOMIES: MICRO DATA ESTIMATION AND NATURAL EXPERIMENT" where my role was Co-researcher obtained 3-year grant. My second application "Impact of climate change on tourism demand in Europe" has not been accepted.
Other	---	BT and MT refereeing I will serve as an opponent of Bachelor's and Master's theses.	2019/2020	fulfilled 2019/2020	---	Neither bachelor's nor master's theses were assigned to me this academic year.
Other	---	Defenses I will attend at least 50% of dissertation	2019/2020	fulfilled 2019/2020	---	Defense attendance of at least 50% fulfilled.
Other	---	Study Documents Till May 31 of this academic year, I will have delivered my "Annual assessment of fulfilling the ISP" + "Supplement", in which I further specify the intended course of my doctoral studies over the next academic year. In the case of termination of my study interruption, I will fill in the required documents ("Annual assessment of fulfilling the ISP" + "Supplement" for the next academic year) within a month from the end of my study interruption period.	2019/2020	fulfilled 2019/2020	---	---
Conference	---	21th International Conference on Environmental Economics, Policy and International Environmental Relation The title of the presented topic: "Weather-related impacts on tourism in Europe"	2019/2020	fulfilled 2019/2020	---	---
Other	---	BT and MT refereeing I will serve as an opponent of Bachelor's and Master's theses.	2020/2021	fulfilled	---	Neither bachelor's nor master's theses were assigned to me this academic year.
Other	---	Defenses I will attend at least 50% of the dissertation	2020/2021	fulfilled	---	Defense attendance of at least 50% fulfilled, I have attended 16 of 20 defenses since 20/05/2020.
Other	---	Study Documents Till May 31 of this academic year, I will have delivered my "Annual assessment of fulfilling the ISP" + "Supplement", in which I further specify the intended course of my doctoral studies over the next academic year. In the case of termination of my study interruption, I will fill in the required documents ("Annual assessment of fulfilling the ISP" + "Supplement" for the next academic year) within a month from the end of my study interruption period.	2020/2021	fulfilled	---	I will submit my study documents until May 31.
Other	---	Defenses In each academic year I visit at least 50% of the defenses or at least 7 defenses, whatever is lower.	2021/2022	---	---	---

Type	Code	Title, details	Ac. year	Fulfillment according to student	Fulfilled according to SIS	Commentary to annual assessment
Other	---	Study Documents Till May 31 of this academic year, I will have delivered my "Annual assessment of fulfilling the ISP" + "Supplement", in which I further specify the intended course of my doctoral studies over the next academic year. In the case of termination of my study interruption, I will fill in the required documents ("Annual assessment of fulfilling the ISP" + "Supplement" for the next academic year) within a month from the end of my study interruption period.	2021/2022	---	---	---
Publication	---	IES WP with an expected title: Wild Tariff Schemes: Evidence From Georgia I am planning to submit a paper at IES Working journal in the fall of next academic year, with an expected title "Wild Tariff Schemes: Evidence From Georgia".	2021/2022	---	---	---
Publication	---	Wild Tariff Schemes: Evidence From Georgia (Scopus submission) In case of very positive reviews on the IES WP version, we are planning to submit it to a foreign journal listed in the Scopus database with an expected title "Wild Tariff Schemes: Evidence From Georgia".	2021/2022	---	---	---
Publication	---	IES WP publication Submission to the IES WP series with the title "Was the Georgian policy shifting public sector working hours by one hour "family friendly" and did it increase female labor participation?"	2020/2021	fulfilled	---	Publication of IES working Papers 30/2020 entitled "Was the Georgian policy shifting public sector working hours by one hour "family friendly" and did it increase female labor participation?"
Publication	---	Was the Georgian policy shifting public sector working hours by one hour "family friendly" and did it increase female labor participation? (Scopus submission) Submission to a foreign journal listed in the Scopus database with an expected title "Was the Georgian policy shifting public sector working hours by one hour "family friendly" and did it increase female labor participation?".	2021/2022	---	---	---
Conference	---	The 1st IAEE Online Conference on Energy, Covid, and Climate Change The title of the presented topic: "Wild Tariff Schemes: Evidence From Georgia"	2020/2021	fulfilled	---	The conference will take place on 7th – 9th June 2021.
Other	---	Grant activities Application to the Grant Agency of the UK competition. In case my project will not be accepted for financing, I will submit the new application in subsequent years of study.	2020/2021	fulfilled	---	I have submitted two of GAUK's projects. The project with the title: "Macroeconomic implications of oil price shocks to emerging economies: a Markov regime-switching approach" where my role was Co-researcher, and my second application "The effect of price and non-price factors on residential energy demand: Micro data estimation". Both projects have not been accepted for funding.
Publication	---	Effects of Climate Change Induced Weather Conditions on Tourism: A Review (Scopus submission) In case of very positive reviews on the IES WP version, we are planning to submit it to a foreign journal listed in the Scopus database with an expected title "Effects of Climate Change Induced Weather Conditions on Tourism: A Review".	2021/2022	---	---	Due to a problem with obtaining data, the project is still under development.
Publication	---	IES WP with an expected title "Impact of climate change on tourism demand in Europe"; I am planning to submit a paper at IES Working journal in the fall of next academic year, with an expected title "Impact of climate change on tourism demand in Europe".	2021/2022	---	---	Due to a problem with obtaining data, the project is still under development.

Type	Code	Title, details	Ac. year	Fulfillment according to student	Fulfilled according to SIS	Commentary to annual assessment
Publication	---	Impact of climate change on tourism demand in Europe (Scopus submission) In case of very positive reviews on the IES WP version, we are planning to submit it to a foreign journal listed in the Scopus database with an expected title "Impact of climate change on tourism demand in Europe".	2021/2022	---	---	Due to a problem with obtaining data, the project is still under development.
Publication	---	Impact of weather extremes on tourism demand in Europe (Scopus submission) Submission to a foreign journal listed in the Scopus database with an expected title "Impact of weather extremes on tourism demand in Europe".	2021/2022	---	---	Due to a problem with obtaining data, the project is still under development.
Publication	---	IES WP with an expected title "Effects of Climate Change Induced Weather Conditions on Tourism: A Review"; I am planning to submit a paper at IES Working journal in early June 2020, with an expected title "Effects of Climate Change Induced Weather Conditions on Tourism: A Review"	2020/2021	fulfilled	---	Due to a problem with obtaining data, the project is still under development. I am planning to submit a paper at IES Working journal in August 2020, with an expected title "Effects of Climate Change Induced Weather Conditions on Tourism: A Review"
Other	---	Mobility I intend to apply for (6 months to 1 year) mobility to the top universities in order to work on my research.	2021/2022	---	---	I was unable to fulfill it due to the situation provoked by Covid-19 in the 2020/2021 academic year. I am still planning to visit a foreign university for research purposes.

### Other commentaries to the annual assessment

Type	Commentary to annual assessment
Annual assessment	---

### Overall assessment of fulfilling the plan

Type	Commentaries and assessment	
Student's summary	I have fulfilled most of my responsibilities that I planned for the current academic year. I have served as a teaching assistant in 4 subjects and earned 3.5 credits overall. I participated in 2 seminar courses and attended more than 50% of PhD defenses. I have submitted two projects of GAUK. Moreover, in early June I intend to present my paper at the international conference. Due to the Covid-19 pandemic, my research visit has been postponed to the next academic year. During the current academic year, our research team has been working on several research topics. We have analyzed the practices of Georgian public servants in terms of the length of their working hours as a consequence of the government's policy issued in 2014 that introduced the official working hours' 1-hour time shift, from 10AM-7PM to 9AM-6PM. The study has been published at the IES WP series. We are planning to submit it to a foreign journal listed in the Scopus database. In addition, due to difficulties in obtaining data, a project to analyze the impact of climate change on tourism demand in Europe is still under development. We plan to complete it next academic year. Currently, our research team is working on an assessment of energy demand in the residential sector in Georgia. Since 2013, marginal prices (tariffs) have changed several times, so our goal is to assess the demand for electricity in the residential sector, including income and price elasticities. The study employs data from the Household Budget Survey, providing us with detailed monthly information on electricity (and gas) expenditures. In addition, since there are two major electricity providers in Georgia, it would be interesting to assess how residents living near the border of electricity suppliers react to price changes, assuming the people on both sides of the border are quite similar (following Ito, 2015). The study uses billing data on the monthly electricity consumption of more than 10 000 residents living on both sides of the border obtained from the Georgian Energy Regulatory Commission. Another study we intend to work on is again related to the aforementioned policy adopted in 2014. Since this policy would affect the daily activities of the households, a key research question is to analyze the response of civil servants in terms of electricity consumption due to the policy shock. Household budget survey data and DID methodology will be applied.	-
Supervisor's proposal	Levan has been active in his study duties as well as in his research. He has fulfilled all of his planned tasks, he was a team member of one GAUK and prepared a proposal for another one (that will not be funded). He is involved in three research tasks. The first one is focusing on electricity demand (in Georgia) using utility bill data and consumer expenditure survey data and this research is performed in close collaboration with Prof. Alberini (Uni Maryland) and myself. This research is very promising, preliminary results will be presented at the IAEE conference in June, and preparation of the related manuscript(s) is ongoing (with a prospect to be submitted within several coming months). The second is aiming at the effect of working time shift in the public sector (in Georgia) on labor supply and electricity demand. The former one has been published last year as IES WP, the latter is research that is ongoing. The third stream of his research is addressing the effect of climate change on tourism and the manuscript based on a review is (almost) ready for submission to IES WP and an empirical paper has the potential to be ready for submission in a few coming months. I recommend A.	A
Decision of Subject Area Board	The student does not have sufficient publication activity. At the end of 3rd year, Levan has only 1 IES WP, which was rejected at the SCOPUS journal.	B

Under 10 (8) of Code of Study and Examination of Charles University, the student has not fulfilled some duties set in his/her individual study plan.

Subject Area Board proposes CONTINUATION of study

**Supervisor**

Mgr. Milan Ščasný, Ph.D.

20.05.2021

**Student**

Levan Bezhanishvili

20.05.2021

Approved by Subject Area Board of doctoral study programme (field of study) on: 05.10.2021

**Chair of Subject Area Board**

prof. Ing. Evžen Kočenda, M.A., Ph.D., DSc.

07.10.2021

**Study programme guarantor**

prof. Ing. Evžen Kočenda, M.A., Ph.D., DSc.

07.10.2021

**CHARLES UNIVERSITY**  
**FACULTY OF SOCIAL SCIENCES**

**Supplement No. 3 Plan ID 16100**  
**for the academic year 2020/2021**

to the individual study plan approved by Subject Area Board on: 05.10.2021

Name of student of doctoral study programme: Levan Bezhanishvili

Born: 13.5.1985, Tbilisi

Type	Changes in the individual study plan (new study duty, cancelled study duty, change in the fulfillment deadline)	original deadline*	new fulfillment deadline*
Publication	I am planning to submit a paper at IES Working journal in early June 2020, with an expected title "Effects of Climate Change Induced Weather Conditions on Tourism: A Review"	2019/2020	2020/2021
Other	Mobility	2020/2021	2021/2022
Publication	In case of very positive reviews on the IES WP version, we are planning to submit it to a foreign journal listed in the Scopus database with an expected title "Effects of Climate Change Induced Weather Conditions on Tourism: A Review".	2020/2021	2021/2022
Publication	In case of very positive reviews on the IES WP version, we are planning to submit it to a foreign journal listed in the Scopus database with an expected title "Impact of climate change on tourism demand in Europe".	2020/2021	2021/2022
Publication	Submission to a foreign journal listed in the Scopus database with an expected title "Impact of weather extremes on tourism demand in Europe".	2020/2021	2021/2022
Publication	I am planning to submit a paper at IES Working journal in the fall of next academic year, with an expected title "Impact of climate change on tourism demand in Europe".	2020/2021	2021/2022
Course	Quantitative Methods in Macroeconomics and Finance II	---	2020/2021
Course	Teaching Assistantship (Full) B	---	2020/2021
Course	Teaching Assistantship (Half) A	---	2020/2021
Other	Defenses	---	2021/2022
Other	Study Documents	---	2021/2022
Publication	I am planning to submit a paper at IES Working journal in the fall of next academic year, with an expected title "Wild Tariff Schemes: Evidence From Georgia".	---	2021/2022
Publication	In case of very positive reviews on the IES WP version, we are planning to submit it to a foreign journal listed in the Scopus database with an expected title "Wild Tariff Schemes: Evidence From Georgia".	---	2021/2022
Publication	Submission to the IES WP series with the title "Was the Georgian policy shifting public sector working hours by one hour "family friendly" and did it increase female labor participation?"	---	2020/2021
Publication	Submission to a foreign journal listed in the Scopus database with an expected title "Was the Georgian policy shifting public sector working hours by one hour "family friendly" and did it increase female labor participation?"	---	2021/2022
Conference	The title of the presented topic: "Wild Tariff Schemes: Evidence From Georgia"	---	2020/2021
Other	Grant activities	---	2020/2021

**Supervisor**

Mgr. Milan Ščasný, Ph.D.

20.05.2021

**Student**

Levan Bezhanishvili

20.05.2021

Approved by Subject Area Board of doctoral study programme (field of study) on: 05.10.2021

**Chair of Subject Area Board**

prof. Ing. Evžen Kočenda, M.A., Ph.D., DSc.

07.10.2021

**Study programme guarantor**

prof. Ing. Evžen Kočenda, M.A., Ph.D., DSc.

07.10.2021

*\* Explanatory note:*

*1. in case of a new study duty, the field "original deadline" will be crossed, and the date of scheduled fulfilment will be in the field "new fulfilment deadline"*

*2. in case of a cancelled study duty, the original date from the ISP will be in the field "original deadline", and there will be "new fulfilment deadline" in the field "new fulfilment deadline"*