

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

**individual study plan  
of doctoral student**

**Plan ID 17225**

**Student**

Name **Natalia Li, M.Sc.**  
E-mail **77537675@fsv.cuni.cz**  
Faculty **Faculty of Social Sciences**  
Study programme **Economics and Finance (P0311D050002)**  
Standard length of the study (number of years) **4**  
Form of study **full-time**  
Date of commencement of doctoral study **23.09.2019**

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

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

**Supervisor**

Name **doc. Petr Janský, M.Sc., Ph.D.**  
E-mail **jansky@fsv.cuni.cz**  
Department / Institute **Institute of Economic Studies (23-IES)**

**Doctoral dissertation**

<b>Title of thesis</b>
Public Investment and Economic Growth in Resource-Rich Developing Countries
<b>Progress on the doctoral dissertation</b>
Synopsis: The work will examine if there is a positive (or any) link between capital expenditure and economic growth in general and in developing countries in particular. A part of the research will focus on capital expenditure and its effect on economic growth in developing resource-rich countries. The dissertation will be a quantitative research, based mainly on the analysis of pooled cross-sectional and panel data sourced from the IMF Government Finance Statistics (GFS) and the World Bank Open Budgets Portal for developing countries. The research will provide important insights into the expenditure policy and its impact on economic growth in developing countries with the additional value brought by the analysis of the capital investment policy in resource-rich developing countries. Taking into account the volume of foreign aid and concessional loans, flowing into developing countries, this research will enhance our understanding of practicability and sustainability of the capital investment projects and the capacity of host governments to maintain them. The policy implications will be useful not only for the governments, but also for international organisations and banks, providing financial and technical support for development. Using more detailed and updated data, this research has the potential to provide evidence-based recommendations for policy-makers and international development stakeholders. Selective list of references: Barro, Robert J. 1990. "Government spending in a simple model of endogenous growth." Journal of Political Economy 103-125. Devarajan, Shantayanan, Vinaya Swaroop, and Heng-fu Zou. 1996. "The composition of public expenditure and economic growth." Journal of Monetary Economics 313-344. Gemmel, Norman, Richard Kneller, and Ismael Sanz. 2016. "Does the composition of government expenditure matter for long-run GDP levels?" Oxford Bulletin of Economics and Statistics 522-547. Gupta, Sanjeev, Benedict Clements, Emanuele Baldacci, and Carlos Mulas-Granados. 2002. "Expenditure composition, fiscal adjustment, and growth in low-income countries." IMF Working Paper 1-35. Haque, M. Emranul. 2003. "The composition of public expenditure and economic growth in developing countries." University of Manchester 1-23. Moreno-Dodson, Blanca. 2007. "Assessing the impact of public spending on growth. An empirical analysis for seven fast growing countries." The World Bank Policy Research Working Paper 1-57. Semmler, Willi, Alfred Greiner, Bobo Diallo, Armon Rezai, and Anand Rajaram. 2007. "Fiscal policy, public expenditure composition, and growth." The World Bank Policy Research Working Paper. 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 "Government expenditure composition and economic growth in developing countries". 2nd year of study: Work on the second dissertation article with an expected title "Public investment programs and growth in developing countries". 3rd year of study: Completion of the dissertation with the third article, "Public investment and economic growth in resource-rich developing countries". 4th year of study: Finishing, Pre-defense, and Defense of the dissertation.

**State doctoral examination and doctoral thesis defence**

Type	Code	Title, details	Ac. year
Doctoral dissertation defence	JOBEE1	Defence of Dissertation	2022/2023

Type	Code	Title, details	Ac. year
State doctoral examination	JSZEE1	State Doctoral Exam	2021/2022

## Course of study

Scheduled date of the state doctoral examination: November 2021  
 Scheduled date of the pre-defense: November 2022  
 Scheduled date of the defense of the dissertation: May 2023

## Duties – study plan

Type	Code	Title, details	Ac. year
Course	JED511	Teaching Assistantship (Full) A	2019/2020
Course	JED511	Teaching Assistantship (Full) A	2019/2020
Course	JED109	Institutional Economics and Economic Policy I	2019/2020
Course	JED110	Institutional Economics and Economic Policy II	2019/2020
Course	JED110	Institutional Economics and Economic Policy II	2020/2021
Course	JED511	Teaching Assistantship (Full) A	2020/2021
Course	JED511	Teaching Assistantship (Full) A	2020/2021
Course	JED109	Institutional Economics and Economic Policy I	2021/2022
Course	JED110	Institutional Economics and Economic Policy II	2021/2022
Course	JED511	Teaching Assistantship (Full) A	2021/2022
Course	JED511	Teaching Assistantship (Full) A	2021/2022
Course	JED109	Institutional Economics and Economic Policy I	2022/2023
Course	JED110	Institutional Economics and Economic Policy II	2022/2023
Course	JED511	Teaching Assistantship (Full) A	2022/2023
Course	JED511	Teaching Assistantship (Full) A	2022/2023
Course	JED209	Applied Banking and Finance I	2020/2021
Publication	---	Estimating The Relationship Between Resource Intensity And Occupational Health And Safety In Kazakhstan Submission of a revised MSc dissertation to the IES Working Papers series.	2019/2020
Publication	---	Government expenditure composition and economic growth in developing countries Submission to the IES WP series with an expected title "Government expenditure composition and economic growth in developing countries"	2019/2020
Publication	---	Public investment programs and growth in developing countries Submission to the IES WP series and in case of a positive review, to a foreign journal listed in the Scopus database with an expected title "Public investment programs and growth in developing countries".	2020/2021
Publication	---	Public investment and economic growth in resource-rich developing countries Submission to the IES WP series and in case of positive reviews, the revised version will be submitted to a foreign journal listed in the Scopus database with an expected title "Public investment and economic growth in resource-rich developing countries".	2021/2022
Conference	---		2019/2020
Other	---	Grant activities Application to the Grant Agency of the UK competition with an expected topic "Capital Investment and Economic Growth in Developing Countries". In case my project will not be accepted for financing, I will submit new application in subsequent years of study.	2019/2020
Other	---	Teaching assistantships Teaching WS 2019/2020: JEB101 Principles of Economics I (1 TA slot - seminars) Teaching SS 2019/2020: JEB025 Public Finance (1 TA slot - seminars)	2019/2020
Other	---	BT and MT refereeing I will serve as an opponent of Bachelor's and Master's theses.	2019/2020
Training	---	Methodological seminar for PhD students In the 1st year of study, I will attend a methodological seminar for teaching.	2019/2020
Other	---	Study documents Till May 31 of this academic year, I will deliver 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 case of termination 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
Other	---	Defenses I will attend at least 50% of dissertation defenses held at the IES FSV UK.	2019/2020

\* Supplementary duties were added to the plan in the course of study.

## Duties specific for the field of study

Publications and other study obligations required for admission to the state doctoral examination:

By the end of the 3rd year I enroll for the state doctoral exam (SDE) so that I pass the SDE not later than by the end of the 4th year. Not later than two months before the SDE I deliver all materials demonstrating compliance with the conditions for admission to the SDE. These conditions are:

- Having published or accepted for publication one scientific article (in that case I attach the postprint or a well verifiable confirmation of acceptance for publication) in a scientific journal included in the Scopus database (or in a journal with a nonzero impact factor from SSCI, SCI databases) and at least one scientific article in a series of at least IES Working Papers Series quality (in that case I submit a request to the chairman of the Doctoral Council for consideration). An alternative condition for publication duty is one research article published or accepted for publication in a scientific journal with a score of at least "B" according to the internal methodology of measuring the quality of scientific journals at IES FSV UK (see Director's Measure 1/2016 "Research" and the document Journal Evaluation at IES FSV UK). Only articles accepted for publication when the student studies the PhD at the IES will fulfil this condition. All articles must be affiliated to IES FSV UK. Only articles in Economics, Finance and closely related fields will be accepted.

- One successful grant activity as the principal investigator or two unsuccessful grant activities in the framework of the GA UK grant competition (i.e. according to the rules set by the Doctoral Council).

- Four semesters of completed doctoral seminars.

- Four "Teaching Assistantships" (TA) in at least two different classes.

- Completion of a methodology teaching seminar for doctoral students.

- Fulfillment of the special requirements of the Doctoral Council (if there are any).

Publication and study obligations required for admission to the defense:

At the time of submission of my application to the pre-defense and defense I commit myself to have:

- Passed the state doctoral examination.

- One research article published or accepted for publication in a scientific journal with a score of at least "B" according to the internal methodology for measuring the quality of scientific journals at IES FSV UK (see Director's Measure 1/2016 "Research" and Journal Evaluation at IES FSV UK). Alternatively, at least two articles published or accepted for publication in scientific journals included in the Scopus database or in scientific journals with non-zero impact factor from the SSCI and SCI databases. These articles do not have to be part of the dissertation thesis. Only articles accepted for publication when the student studies the PhD at the IES will fulfil this condition. All articles must be affiliated to IES FSV UK. Only articles in Economics, Finance and closely related fields will be accepted.

- Eight "Teaching Assistantships" (TAs) in at least two different classes.

At the time of submission of my application to the pre-defense, I commit myself to have the dissertation thesis at least in the following form:

- At least one dissertation article is fully finished (the supervisor approved the final version as a dissertation chapter), the second article is almost finished (the student processed the last supervisor's comments and awaits its approval) and the third article is elaborated. The elaborated article has at least a clear structure, methodology, goal of the research and a significant work has already been done.

BT and MT opponency: Throughout the entire duration of my study I will serve as an opponent of Bachelor's and Master's theses.

Methodology teaching seminar for PhD students:

I will participate at a methodology teaching seminar for first year PhD students during the 1st year. If the seminar was not attended within the course of the first year, I will attend the seminar during the 2nd year.

Defenses:

I commit myself to attend doctoral defenses with the minimum average attendance of 50% during the whole period of my study. In each academic year I visit at least 50% of the defenses. I am aware that participation at defenses of less than 50% may lead to a reduction of my evaluation by the Doctoral council at the end of each academic year.

Study documents: Till May 31 of each academic year, I deliver my "Annual assessment of fulfilling the ISP" + "Supplement", in which I further specify the intended course of my doctoral studies in the next academic year. In case of terminating 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.

Obligations in case of a study stay:

In case of a study visit/stay, I will apologize in advance to the coordinator of dissertation defenses so that my absence could be excused. I will also in advance send a request to the Doctoral Council for possible consideration of study requirements, which I plan to fulfil during my visit/stay.

## Approval of plan

### Supervisor

doc. Petr Janský, M.Sc., Ph.D.

16.10.2019

### Student

Natalia Li, M.Sc.

15.10.2019

Approved by CDS.

Approved by Subject Area Board of doctoral study programme (field of study) on: 16.10.2019

### Chair of Subject Area Board

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

16.10.2019

### Study programme guarantor

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

16.10.2019