Study Plan
PhD

1. Faculty: School of Business
2. Department: Business Economics
3. Program Title (Arabic): دكتوراه اقتصاد الاعمال
4. Program Title (English): PhD

First: General Rules & Conditions:
1. This plan conforms to valid regulations of the programs of graduate studies.
2. Specialties of Admission:
   a. M.A. in any discipline subject to holding B.A. in Economics (Business Economics).

Second: Special Conditions:
- None.

Third: Study Plan: Studying (54) Credit Hours as following:
1. Obligatory Courses (21) credit hours:

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credit</th>
<th>Theory</th>
<th>Pre-req</th>
</tr>
</thead>
<tbody>
<tr>
<td>1607901</td>
<td>Microeconomic Theory</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>1607902</td>
<td>Macroeconomic Theory</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>1607903</td>
<td>International Economics</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>1607904</td>
<td>Monetary Theory</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>1607905</td>
<td>Econometrics</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>1607906</td>
<td>Financial Economics</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>1607909</td>
<td>Topics in Economic Development</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
2. Elective Courses (15) Credit Hours: from the following:

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credit</th>
<th>Theory</th>
<th>Pre-req.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1607910</td>
<td>Contemporary Issues in Economics</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>1607913</td>
<td>International Finance</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>1607915</td>
<td>Multivariate Statistical Analysis</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>1607918</td>
<td>Game Theory with Economic Applications</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>1607919</td>
<td>Advanced Topics in Econometrics</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>1607920</td>
<td>Public Finance</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>1607923</td>
<td>Human Resources Economics</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>1607930</td>
<td>Islamic Economics</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

3. Pass the qualifying exam (1607998).

1607901 Microeconomic Theory  
(3 Cr)
The course covers the following subjects in addition to selected advanced topics: general equilibrium analysis, efficiency and welfare, market failures, externalities, theory of decisions under uncertainty, portfolio and saving decision under uncertainty, and application of game theory to economic analysis.

1607902 Macroeconomic Theory  
(3 Cr)
The course analyzes static and dynamic macroeconomic models with emphasis on the role of fiscal and monetary policies in the determination of GDP and its distribution, the price level, and employment.

1607903 International Economics  
(3 Cr)
The course covers both theories of international trade and commercial policies. It covers the classical theory of competitive advantage, Heckscher-Ohlin theory of factors of production, and modern theories of international trade. The second half of the course is devoted to commercial policies including tariffs, subsidies, quota, and other forms of international trade intervention. Theory of protection and the ongoing debate among economists regarding different forms and justification of protection is covered next. Then the general agreement on tariff and trade GATT is introduced together with its successor WTO. Final two sections cover the theory of economic integration and the role of trade in growth and development.

1607904 Monetary Theory  
(3 Cr)
The course covers advanced topics in the theory of monetary economics and the role of money in the economy using both static and dynamic models.

1607905 Econometrics  
(3 Cr)
The course covers the following topics: dynamic models, instrumental variables, simultaneous equations, and time series models.

1607906 Financial Economics  
(3 Cr)
The course covers the advanced theory of financial economics including topics such as: portfolio theory, asset valuation models-theory and application, capital asset pricing model (CAPM), arbitrage pricing theory (APT), representative agent models, pricing of derivative securities,
complete and incomplete asset markets, credit markets, financial
government in the financial sector, market frictions, and crashes and
bubbles.

1607909 Topics in Economic Development (3 Cr)
The course provides advanced analysis for theories and models of economic growth and
development. Special attention will be devoted to structural change in new role of government. The course covers also issues related to development, inequality and income distribution, poverty measures, causes and impacts, and globalization and its impacts on development.

1607910 Contemporary Issues in Economics (3 Cr)
This course considers an array of leading contemporary economic problems, with specific topics chosen from current and recent policy debates from both a domestic and global perspective. The idea is to help students learn to think critically about pressing issues, utilizing economic reasoning, theory, and principles. Topics evolve from the news cycle, and may include environmental policy, international trade, social security and fiscal policy, monetary policy, unemployment, health care, income inequality, and other current issues.

1607913 International Finance (3 Cr)
The course covers the following topics: The theory of exchange rate and balance of payments determination, open economy macroeconomic issues, current account adjustment, and current empirical literature concerning the efficient market theory of the foreign exchange market.

1607915 Multivariate Statistical Analysis (3 Cr)
The course covers advanced topics in multivariate statistical analysis including principal components, clusters analysis, multivariate correlation analysis, and canonical analysis.

1607918 Game Theory with Economic Applications (3 Cr)
The course aims at providing a systematic approach to analyze strategic problems. Its main topics include: zero-sum games, non-zero sum games, mixed strategies, dominant solvability, Nash equilibria, one stage games, extensive form games and backward induction, sub-game perfect equilibrium, repeated games, games with incomplete information, and signaling games. In addition, this course will include various economic applications for Game Theory especially in the field of industrial organization.

1607919 Advanced Topics in Econometrics (3 Cr)
The course is designed to build on econometrics (1607905) focusing in depth on specific advanced topics of interest such as modern time series analysis and Bayesian econometrics, etc.

1607920 Public Finance (3 Cr)
The course focuses on the application of economic theory to the analysis of issues pertaining to taxation, public spending, and the interaction between macroeconomics and fiscal policy. The course covers the theories of technical efficiency, welfare economics, public goods, government financial statistics, macro-fiscal accounts, and cost-benefit analysis. Students will apply these economic analysis tools in the analysis of government revenues, spending, fiscal policy, and capital project analysis.
**Human Resources Economics (3 Cr)**

The course covers the fields of human capital in labor economies and macroeconomics. There will be analysis for the determinants of business cycles and its effects on the level of employment and the number of working hours. Also, this course will provide models for labor movements among geographical regions or among economic sectors. In addition, this course will analyze the effect of tax and unemployment insurance and other work benefits on the economy.

**Islamic Economics (3 Cr)**

The course covers the concept of scarcity, the economic problem, and consumer and production theories, from the view of Capitalism, Socialism, and social market. And, from Islamic view: the concept of scarcity, the economic problem, definition of economics, market and its governing rules, the public interest theory of market regulation, and the basics of Islamic banking and finance.