# Professional Qualification Statement for Degree/Concentration/Certificate/Minor Programs

**College and Department:**
Department of Public Management and Policy  
Andrew Young School of Policy Studies

**Date:** 11/3/13

**Title of program, degree, concentration, or SACS approved certificate:**
Department Chair, Public Management and Policy  
Temporary coordinator of the nonprofit concentrations and certificate program

**Coordinator Name:**
Gregory B. Lewis

**Is the coordinator a faculty member?**
- Yes [✓]
- No [ ]

**Coordinator Responsibilities (e.g. curriculum development, analysis of learning outcomes, action plans, assessment, recruitment, retention, graduation; student success, etc.):**
As department chair, oversees all programs, concentrations, and certificates. As acting/interim coordinator of the nonprofit concentrations and certificate program, works with nonprofit faculty to ensure quality classes are offered on a frequent basis.

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**In the event of co-coordinators, please use a separate qualification sheet for each. Indicate only co-coordinator’s name below for cross-referencing purposes.**

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<thead>
<tr>
<th>Co-Coordinator?</th>
<th>Yes [✓]</th>
<th>No [ ]</th>
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<tbody>
<tr>
<td>Name of Co-Coordinator (please use a separate qualification sheet to complete requested information):</td>
<td>Dennis Young (prior coordinator)</td>
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**Degrees Earned:**
BA, MGA, and Ph.D.

**Experience related to responsibilities:**
He has taught in the department for 15 years and directed the doctoral program for most of the period before becoming department chair.

**Certifications related to program:**
8121, 8131, 9111, and 9121

**Courses Taught at GSU:**
Narrative statement of qualifications (to be completed by chair or dean):
As you draft the narrative, please consider the following:

1) What qualifications and credentials does the coordinator have for leadership in the development and review of the curriculum?

PhD in public administration, extensive research experience, leadership of the doctoral program for over a dozen years, some training in leadership and in assessment of student learning outcomes.

2) Please describe the role the coordinator has for assessing the quality of the curriculum for the program and for ensuring that the curriculum and its delivery are educationally sound?

Faculty in the core classes turn in their ratings of each student's performance on each course objective every semester. Staff compile the assessments, and the chair combines them across years to determine trends. In consultation with directors of the master's and undergraduate programs, as well as the full faculty, he determines areas where the program needs to improve and develops action plans to achieve the improvements. As part of NASPAA reaccreditation of the MPA program, he leads the faculty in defining the universal required competencies all graduates should develop and rubrics for assessing student achievement of those competencies. He will chair a committee to define the learning objectives and competencies for students completing the nonprofit concentration and will develop a method for assessing students' success in achieving those objectives and competencies.

If primary responsibilities for curriculum development are assigned to persons other than faculty, please describe and provide supporting materials of qualifications.

All curriculum decisions are made by the full faculty, based on recommendations from committees appointed to study curricular reform.

Signatures:

Coordinator: Christine Roch Date: 11-6-13
Department Chair: Francis Bennis Date: 11/6/13
Dean: M. A. (Last Name) Date: 11-6-2013
**GEORGIA STATE UNIVERSITY**
**PROFESSIONAL QUALIFICATION STATEMENT FOR DEGREE/CONCENTRATION/CERTIFICATE/MINOR PROGRAMS**

| College and Department: | Andrew Young School of Policy Studies
Department of Economics | Date: | 10/18/13 |
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<tr>
<td>Title of program, degree, concentration, or SACS approved certificate</td>
<td>Master of Arts in Economics: Policy Track</td>
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<tr>
<td>Coordinator Name:</td>
<td>Dr. Felix Rioja</td>
<td>Is the coordinator a faculty member?</td>
<td>☑️ YES ☐ NO</td>
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<tr>
<td>Coordinator Responsibilities (e.g. curriculum development, analysis of learning outcomes, action plans, assessment, recruitment, retention, graduation; student success, etc.):</td>
<td>Include: Curriculum development/review, analysis of learning outcomes, assessment, recruitment, retention, graduation success, placement, GRA allocation, Fellowship/Award allocation, and overall program advisement.</td>
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*In the event of co- coordinators, please use a separate qualification sheet for each. Indicate only co-coordinator’s name below for cross-referencing purposes.*

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<th>Co-Coordinator?</th>
<th>☑️ YES ☐ NO</th>
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</table>
| Name of Co-Coordinator (please use a separate qualification sheet to complete requested information): | BS in Economics - James Madison University
MA in Economics - University of Virginia
PhD in Economics - Arizona State University |
| Degrees Earned: | Dr. Rioja has 15 years of experience being a member of the Graduate Committee of the Department of Economics. Five of those years he was the Doctoral Program Coordinator and has been the Masters Program Coordinator over the past 3 years. Also he has taught the core MA and PhD Macroeconomic courses for the past 15 years and therefore comes in contact with every graduate student in the program. |
| Experience related to responsibilities: | N/A |
| Certifications related to program: | Courses taught in the Master of Arts in Economics: Policy Track Program at GSU are included in the attachment. |
| Courses Taught at GSU: | |
Narrative statement of qualifications (to be completed by chair or dean):
As you draft the narrative, please consider the following:

1) What qualifications and credentials does the coordinator have for leadership in the development and review of the curriculum?

Dr. Rioja has 15 years of experience being a member of the Graduate Committee of the Department of Economics. Hence, he has participated in developing and modifying the curriculum of the doctoral and masters programs during that period of time. He also served in the college's Academic Programs Committee which also reviews and approves any curricula changes at the college level.

2) Please describe the role the coordinator has for assessing the quality of the curriculum for the program and for ensuring that the curriculum and its delivery are educationally sound?

Dr. Rioja writes an assessment report of the program once per year. This report uses data on student performance and data from an alumni survey. The data are analyzed and recommendations for improvements/new initiatives drafted. He works on these recommendations in consultation with the department chair and the graduate committee. There are several levels of review: all proposed changes are considered by the department faculty, the chair, and if needed by the school faculty and the Academic Programs Committee. He serves as the point person in each of these levels of review.

If primary responsibilities for curriculum development are assigned to persons other than faculty, please describe and provide supporting materials of qualifications.

Dr. Rioja is the primary faculty member in charge of the Department of Economics Masters Program.

Signatures:
Coordinator:  
Date: 11/25/2013

Department Chair:  
Date: 11/26/2013

Dean:  
Date: 11/19/2013
Masters Level Economics Courses

ECON 6030  Introduction to Mathematics for Economists
Credit Hours  3.0
Prerequisites  MATH 1111, ECON 2105, ECON 2106 or consent of the instructor
Description  This course provides an introduction to mathematical techniques that are frequently used in economic analysis. Topics covered include differential and integral calculus and matrix algebra. Emphasis is placed on optimization techniques.

ECON 6680  American Economic History
Credit Hours  3.0
Description  (Cross-listed with HIST 6680). This course covers the development of the American economy with an emphasis upon the changing structure, institutional pattern, and performance of the system.

ECON 8000  Special Topics in Economics
Credit Hours  3.0
Description  This course provides a graduate-level treatment of topics in economics. The course can be repeated when topics vary. The course is intended primarily for master's students.

ECON 8010  Math Essentials for Economics
Credit Hours  2.0
Description  This course provides an introduction to mathematical techniques frequently used in economic analysis. Topics include differential and integral calculus, and matrix algebra. Emphasis is placed on the application of mathematics to topics in economic theory, and helping develop the math skills required for advanced study of economics. This course is designed with the beginning Ph.D. economics student in mind and is only available as audit credit.

ECON 8030  Mathematics for Economists
Credit Hours  3.0
Prerequisites  ECON 6030
Description  This course covers the elements of mathematical analysis, classical optimization techniques (Lagrange technique), and linear and nonlinear programming, with applications to economics, particularly comparative statistics.

ECON 8080  Economics of the Public Sector
Credit Hours  3.0
Prerequisites  ECON 2106 and PMAP 8141
Description  Analysis of the role of government in the economy. Survey of the problems of monopoly, government regulation, externalities, public goods, and income redistribution. Emphasis on measuring the output and costs of government services. Survey of public sector decision-making techniques such as benefit-cost analysis.

ECON 8100  Applied Microeconomic Analysis
Credit Hours  3.0
Prerequisites  ECON 3910 and ECON 6030 or MGS 9910
Description  This course provides comprehensive coverage of microeconomic topics by analyzing the applications of the theory. A graphical and intuitive approach is stressed in addition to the mathematical. Topics include both the standard and the new consumer theory, production and cost analysis, modern theories of the firm and markets, and basic welfare economics. Applications useful to business students are also provided.

ECON 8110  Macroeconomic Analysis
Credit Hours  3.0
Prerequisites  ECON 3900 and ECON 6030 or MGS 9910
Description  This course covers the theory of aggregate demand and supply, sector demand functions (consumption, investment, money), disequilibrium models, economic growth, inflation, unemployment and expectations, stabilization, and control.

ECON 8150  Monetary Economics and Policy
Credit Hours  3.0
Prerequisites  ECON 4500
Description  This course introduces the student to monetary theory and the institutions and policy through which phenomena influence national economic performance. The brand of monetary theory developed is based on a simple inter-generational model with foundations planted in the microeconomic theory of choice (on the demand for money side). Monetary macroeconomics and open economy macro-economics are treated extensively to recognize the importance of international economic phenomena and foreign sector policy as influences on the outcomes of domestic monetary policy actions.

ECON 8180  Applied Economic Analysis
Credit Hours  3.0
Prerequisites  ECON 8100 and ECON 8110
Description  Tools and techniques that are used for policy purposes and for forecasting by business and government will be studied. Large-scale econometric models, leading indicators, anticipations surveys, and other devices will be analyzed in order to determine the range of their usefulness for the decision maker. Model evaluation at the industry, firm, or regional level also will be pursued.

ECON 8210  Health Economics and Policy
Credit Hours  3.0
Description  This course analyzes both individual and public policy decisions surrounding health and resource allocation issues in the health care sector of the U.S. and other economies. The demand, production, cost, and financing of health are examined using a variety of conceptual and empirical models. The economic evaluation of alternative health care programs and policy implications is also discussed.

ECON 8220  Human Resources and Labor Markets
Credit Hours  3.0
Prerequisites  ECON 3910 and MBA 7030
Description  The course examines the operation of labor markets, the determination of labor supply, labor demand, and wages, and the impact that market forces and institutions have on the
practice of human resource management and employment relations. A variety of public policy
issues related to the labor market are also considered.

ECON 8230  Experimental Economics
Credit Hours  3.0
Prerequisites  ECON 8100 or MBA 7030
Description  This course introduces the student to economics experiments, providing the tools
and concepts to evaluate and conduct economics experiments. Students will be encouraged to
think about the empirical and policy implications of theories taught in other economics classes
and to learn skills that are used to conduct empirical analysis (using both experimental and field
data). We consider the historical development of experimental economics, market experiments
(where policy issues such as market power and regulation are considered), bargaining and games
(where we will focus on bargaining and collective action problems), and individual decision-
making experiments (focusing on decision making under risk).

ECON 8300  Urban Economics
Credit Hours  3.0
Prerequisites  ECON 8080 or ECON 3910
Description  This course examines the underlying causes of urban economic problems and
evaluates alternative public policies for dealing with specific problems including congestion, dis-
crimination, poverty, affordable housing, and central city decay. Emphasis is placed on the
spatial characteristics of the urban economy as well as on market failures arising from the
presence of externalities.

ECON 8310  Economics of Educational Policy
Credit Hours  3.0
Description  This course explores policy issues associated with K-12 education, focusing on
issues raised since the publication of A Nation At Risk. The course first provides an economic
conceptual framework in which to evaluate education policy alternatives and then examines
education reform proposals that have been advanced over the last two decades.

ECON 8320  Environmental and Natural Resource Economics and Theory
Credit Hours  3.0
Prerequisites  Econ 2106 or ECON 8100 or PMAP 8141 or MBA 7030 or consent of the
instructor
Description  The goal of this course is to stimulate critical thinking about today's environment
and natural resource problems and the public policies designed to alleviate them. It attempts to
broaden students' approaches to evaluating the state of their environment and the policies that
affect the environment through critical analyses of case studies concerning current environmental
issues. Students will gain experience in applying principles of economic analysis to evaluate
today's environmental issues and public policy.

ECON 8380  Directed Readings in Economics
Credit Hours  1.0 TO 6.0
Prerequisites  consent of the instructor
Description
ECON 8430  Theory of the Firm and Business Strategy  
Credit Hours 3.0  
Prerequisites ECON 8100  
Description An application of microeconomic theory and industrial organization to topics for internal firm organization and strategic business decision-making. Topics vary, but typically include transactions cost analysis and empirical implications, multiproduct cost concepts, vertical integration, product differentiation and product quality, durable good pricing, innovation and patents, spatial competition, delivered (base point) pricing, price discrimination, product building, network economics and information implications, and special topics in regulatory economies and transitional adjustments in deregulated industries.

ECON 8440  Industrial Organization and Antitrust Economics  
Credit Hours 3.0  
Prerequisites ECON 3910 or MBA 7030  
Description This course applies microeconomic analysis to the study of firm strategies and industry behavior, with special emphasis on those horizontal and vertical interactions that have been subject to antitrust scrutiny. Specific examples include price fixing, mergers, tying contracts, exclusive dealer and territorial arrangements, price discrimination, boycotts and reciprocity, and various predation strategies. Doctrinal disputes are explored and specific cases studied in light of the academic literature in industrial organization.

ECON 8460  Economics of the State and Local Public Sector  
Credit Hours 3.0  
Prerequisites ECON 8080 or PMAP 8141 or MBA 7030  
Description This course focuses on the application of economic principles to fiscal decisions of state and local governments. Three major topics are discussed: the description and analysis of revenue sources including taxes, lotteries, and debt; intergovernmental fiscal relations including grants, school-aid programs, and the allocation of functions between levels of government; and the provision of public services.

ECON 8470  International Public Economics  
Credit Hours 3.0  
Prerequisites ECON 8080 or PMAP 8141 or MBA 7030  
Description This course is a survey of topics in international public economics with an emphasis on world-wide practices. The purpose of the course is to provide students with case studies of international experiences developed using standard tools of public economics so that students can analyze these and other topics outside the classroom. The course uses the concepts of public economics (public goods, externalities, economic efficiency, equity, and income distribution) to analyze issues such as the following: Which level of government should provide which goods. How should a tax system be structured in developing, transitional, and developed economies. How many levels of government should exist. How can taxes be more effectively collected. At the end of the class, students will be familiar with the more important policy questions facing countries around the world and will be better equipped to analyze alternative policy reforms.
ECON 8500  History of Economic Thought  
Credit Hours  3.0  
Prerequisites  ECON 2106  
Description  This course deals with the development of political economy from its Greek origins through the twentieth century. The continuity of intellectual and economic thought and their relationship to changing social and political settings are stressed. Particular emphasis is placed on the Classical and neo-Classical authors and their critics.

ECON 8600  Economics of Development  
Credit Hours  3.0  
Prerequisites  ECON 8100 and ECON 8740  
Description  This course examines the microeconomic foundations of issues of development in poor countries. The course will focus on the study of household behavior and the analysis of how institutions in developing countries work. Topics include the neoclassical unitary household model, intra-household bargaining and allocation, the effect of incomplete and imperfect markets on labor and land market arrangements, savings and credit institutions in the face of imperfect information, and risk sharing and its effects on decisions, and social interaction in decision-making.

ECON 8710  Introduction to Statistical Foundations for Econometrics  
Credit Hours  3.0  
Prerequisites  Basic probability and statistics; multivariate calculus is recommended  
Description  The course provides probability and statistical tools necessary for studying econometrics at graduate level. Topics covered include basic techniques of probability theory, estimation, hypothesis testing, estimation methods, and matrix algebra. Applications of these concepts to economic problems and illustrations from business and economics are emphasized.

ECON 8740  Applied Statistics and Econometrics  
Credit Hours  3.0  
Description  This course develops basic knowledge of applied statistics and applied econometrics with particular emphasis on the relationship between economic variables. The first part of the course reviews statistical measures, random variables, and probability distributions. It will examine the role of a random sample and estimation and testing of parameters. The second part will introduce estimation approaches such as simple ordinary least squares and then multiple regression. These techniques will be applied to real data for the purpose of policy analysis in areas as diverse as health, labor markets, finance, development, and taxation.

ECON 8780  Financial Econometrics  
Credit Hours  3.0  
Prerequisites  ECON 8740 or ECON 9720 with grade of C or higher  
Description  The course provides background in financial econometric methods to conduct applied empirical work using financial data. The topics covered are predictability of asset returns; modeling of volatility (ARCH-GARCH and stochastic volatility); high-frequency data models; extreme values and VaR; multivariate time series analysis (VAR, cointegration, principal components, factor analysis); continuous-time models; and econometrics of option pricing models and term-structure of interest rates.
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<th>Course</th>
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<th>Credit Hours</th>
<th>Prerequisites</th>
<th>Description</th>
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<tr>
<td>ECON 8840</td>
<td>Applied Statistics and Econometrics II</td>
<td>3.0</td>
<td>ECON 8740</td>
<td>The course provides training in preparing and managing data and introduce estimation approaches such as discrete choice models, truncated and censored regression models, panel data analysis, instrumental variable models, and evaluation methods. These techniques will be applied to real data for the purpose of policy analysis in the areas of labor markets, industrial organization, finance, economic development, and taxation.</td>
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<td>ECON 8850</td>
<td>International Trade</td>
<td>3.0</td>
<td>ECON 3910 or MBA 7030</td>
<td>This course develops an understanding of the economic basis for trade. It also examines trade policies nations adopt, common markets, international resources flows, and the multinational corporation.</td>
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<td>ECON 8860</td>
<td>Economics of Global Finance</td>
<td>3.0</td>
<td>ECON 2105 and ECON 2106</td>
<td>This course deals with the functioning of the international monetary system and its financial markets which set or influence foreign exchange rates. It develops an open economy macro model showing balance of payments equilibrium, and assesses policies to deal with imbalances. It examines the impact of international capital flows.</td>
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<td>ECON 8990</td>
<td>Thesis Research</td>
<td>1.0 TO 15.0</td>
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<td>Thesis research for students in the MA-EC program.</td>
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<tr>
<td>ECON 8999</td>
<td>Masters Research in Economics</td>
<td>1.0 TO 18.0</td>
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<td>May be repeated for credit; does not count toward degree requirements. This course is designed for graduate research and teaching assistants seeking to conduct supervised research on topics related to duties or instructional technologies. A grade of S or U will be assigned based on attendance and participation in departmental research activities.</td>
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Masters Level PMAP Courses allowed for Policy Track with MA Advisor Approval
**GEORGIA STATE UNIVERSITY**

**PROFESSIONAL QUALIFICATION STATEMENT FOR DEGREE/CONCENTRATION/CERTIFICATE/MINOR PROGRAMS**

| College and Department: | Andrew Young School of Policy Studies  
| Department of Economics | Date: 10/18/13 |
| Title of program, degree, concentration, or SACS approved certificate | Bachelor of Arts Major in Economics |
| Coordinator Name: | Dr. Shelby Frost |

Is the coordinator a faculty member?

| YES | NO |

**Coordinator Responsibilities (e.g., curriculum development, analysis of learning outcomes, action plans, assessment, recruitment, retention, graduation; student success, etc.):**

Include: Curriculum development/review, analysis of learning outcomes, assessment, recruitment, retention, graduation success, and overall program advisement.

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*In the event of co-coordinators, please use a separate qualification sheet for each. Indicate only co-coordinator’s name below for cross-referencing purposes.*

| Co-COORDINATOR? | YES | NO |

**Degrees Earned:**

- B.S. in Mathematics & Computer Science
- M.S. in Mathematics
- M.B.A.
- M.A. in Economics
- Ph.D. in Economics

**Experience related to responsibilities:**

- Teaches various undergraduate economics courses in the GSU Department of Economics (since 2000).
- Serves as Director of Undergraduate Studies in the Department of Economics (since 2003).
- Serves as Director of GSU Center for Business and Economic Education (since 2006).
- Serves on GSU Undergraduate Assessment Committee (since its inception).

**Certifications related to program:**

- N/A

**Courses Taught at GSU:**

- Courses taught in the Bachelor of Arts Major in Economics Program at GSU are included in the attachment.
Dr. Frost’s has been the Associate Director for Teaching with Technology at GSU. She has been the Undergraduate advisor for Economics since 2003. She has also been the Director of the GSU Center for Business and Economic Education. She currently resides on multiple University committees including the committee that evaluates departmental learning outcomes. She has participated in multiple conferences including panels on institutional writing, student characteristics and performance in the Economics Classroom. Under Dr. Frost's leadership as Undergraduate Advisor the Economics Undergraduate program has expanded to include a new BA program in International Economics and Modern Languages and an Undergraduate exchange program between GSU and the University of Venice Ca'Foscari. Dr. Frost also serves on the Department's Graduate Teaching Committee which prepares and evaluates Doctoral student to teach undergraduate courses.

As chair of the Economics Undergraduate Committee she is responsible for writing and insuring that the Undergraduate Committee reviews the academic progress of the program every year through the learning outcomes. This report uses data on student performance for various principle and upper level graduate courses. She also works with the committee to ensure that what courses are available to students throughout the year and what areas in the academic program need updated is reviewed. Dr. Frost has served as the chair for the Undergraduate Committee since 2004.

If primary responsibilities for curriculum development are assigned to persons other than faculty, please describe and provide supporting materials of qualifications.

Dr. Frost is the primary faculty member in charge of the Department of Economics Undergraduate Program/Committee.
Undergraduate Level Economics Courses

ECON 2100  THE GLOBAL ECONOMY
Credit Hour(s): 3.0
The Global Economy. Not available for credit in the major; may be used as a nonmajor elective depending on degree. The world's economies have become much more integrated over time. This course is designed to introduce students to basic facts about the operation of the world economy, with particular focus on current issues confronting economies of various countries. The course will discuss the role of international organizations such as the World Bank and the International Monetary Fund, and will focus on major problems facing policy makers, such as global income inequality, financial crises, environmental challenges, the transition to a market economy, and the design of the European Monetary Union.

ECON 2105  PRINCIPLES OF MACROECONOMICS
Credit Hour(s): 3.0
Principles of Macroeconomics. Prerequisite: Math 1101 or Math 1111. This course analyzes the overall performance of economic systems including output and employment levels, inflation, economic growth, international finance, and the effects of monetary and fiscal policies.

ECON 2106  PRINCIPLES OF MICROECONOMICS
Credit Hour(s): 3.0
Principles of Microeconomics. Prerequisite: Math 1101 or Math 1111. This course is a systematic study of the functions of markets and prices in the production and distribution of goods and includes economic analysis of international trade, public finance, labor markets, monopoly, and poverty.

ECON 2990  SPECIAL TOPICS IN ECONOMICS I
Credit Hour(s): 1.0 TO 6.0
Special Topics in Economics I. Prerequisite: Consent of instructor. Studies in Economics; topics vary according to instructor. May be repeated if the topic differs.

ECON 3050  ECONOMICS ART, ENTER & CULTURE
Credit Hour(s): 3.0
The Economics of Art, Entertainment, and Culture. Not available for credit in the major; may be used as a nonmajor elective depending on program. Each year Americans spend at least 120 billion hours and over $150 billion on legal forms of entertainment. In spite of this, the economic idiosyncrasies of the sector are often not well understood. This class examines the economics of the major entertainment enterprises: the performing arts and other fine arts, movies and television programming, commercial music, broadcasting, cable television, casino gambling, and more. In addition to the basic facts and microeconomic characteristics of these industries, the class discusses how the sector is impacted by the macroeconomy and public policy.

ECON 3900  MACROECONOMICS-CTW
Credit Hour(s): 3.0
Macroeconomics-CTW. Prerequisite: Econ 2105. This course applies the tools of aggregate economic analysis to the problems of the performance of the economy. The course links the
theories and data to understand the causes of macroeconomic fluctuations in production, employment, inflation, and international economic relations; particular emphasis is placed on macroeconomic policy issues. This course has been designated as a CTW (Critical Thinking Through Writing) course.

ECON 3910 MICROECONOMICS
Credit Hour(s): 3.0
Microeconomics. Prerequisite: Econ 2106. This course develops models of the behavior of individual economic units, including consumers, workers, investors, and business firms, and explains how and why these units make economic decisions. Economic behavior in various types of market environments is analyzed. The implications of this behavior for the allocation of resources and for public policy are discussed.

ECON 4080 HISTORY OF ECONOMIC THOUGHT
Credit Hour(s): 3.0
History of Economic Thought. Prerequisite: consent of instructor. An historical presentation of the economic doctrines of the physiocratic, classical, neoclassical, historical, Keynesian, and other schools of thought.

ECON 4210 HEALTH ECONOMICS
Credit Hour(s): 3.0
Health Economics. Prerequisite: Econ 2106 or equivalent. This course analyzes resource allocation issues in the health care sector of the U.S. and other economies. The demand, production, cost, and financing of health care services are examined using a variety of conceptual and empirical models. The economic evaluation of alternative health care programs is also discussed.

ECON 4220 ENVIRONMENTAL ECONOMICS & POL
Credit Hour(s): 3.0
Environmental Economics and Policy. Prerequisite: Econ 2106 or permission of instructor. This course is designed to introduce the student to a broad range of contemporary environmental problems and the design of appropriate policy responses. Environmental concerns such as declining urban air quality, water pollution, tropical rain forest destruction, and global warming are covered (topics vary according to the instructor). The role of economic development and the political and social forces determining environmental quality are explored. The effectiveness of past and present environmental policies and regulations are evaluated and contrasted with newer, more flexible approaches to improving environmental policy. This course is designed for students majoring in all disciplines who have interests in public policy as it relates to managing the environment.

ECON 4230 EXPERIMENTAL ECONOMICS
Credit Hour(s): 3.0
Experimental Economics. Prerequisite: Econ 2106 or equivalent. This introduction to experimental economics builds upon the scientific method and the testing of economic theories via laboratory experiments. Students will gain an understanding of the extent to which basic economic theories predict actual human behavior. The relevance and impact of similar
experiments and related analyses on important debates surrounding public policy issues will be examined, which include privatization, market regulation, and environmental regulation.

ECON 4300 ECONOMICS OF CITIES  
Credit Hour(s): 3.0  
Economics of Cities. Prerequisite: Econ 2106. This course provides an introduction to the ways that economics can be used to understand cities. The primary emphasis in the first half of the course is on the spatial organization of economic activity. Why are cities located where they are, what economic functions do they perform, and, within cities, how can we understand what goes on where, and who lives where? The tools that we develop as we deal with these questions will be essential in the second half of the course, in which we will take an economic approach to a number of policy issues that are loosely termed "urban problems" in the popular press.

ECON 4350 ECON OF POVERTY & PUBLIC POL  
Credit Hour(s): 3.0  
Economics of Poverty and Public Policy. This course applies basic economic concepts to the study of poverty in the United States. There are three main topics: (1) measuring the extent of poverty in the United States, (2) explaining the causes of poverty, and (3) evaluating actual and potential private sector or government responses to the problem. Within this framework, topics that will be discussed include poverty and inequality, economics of the family, racial/gender discrimination and segregation, neighborhood effects, history of welfare, the incentive structure of the current and proposed welfare plans, and welfare reform.

ECON 4380 DIRECTED READING IN ECONOMICS  
Credit Hour(s): 1.0 TO 6.0  
Directed Readings in Economics. Prerequisites: Econ 2105 and Econ 2106, and consent of instructor.

ECON 4400 PUBLIC SECTOR ECONOMICS  
Credit Hour(s): 3.0  
Public Sector Economics. Prerequisite: Econ 2106. This course explores issues related to expenditure and tax policies of governments, as well as views regarding the purpose of government and criteria for evaluating government actions. Various government expenditure programs, such as education and social security, and revenue sources, such as income taxes and property taxes, are then described and analyzed in light of the criteria. The course also includes a discussion of how group or collective choices are made within society, how environmental policies affect the level of pollution, and the importance of public debt.

ECON 4450 LAW AND ECONOMICS  
Credit Hour(s): 3.0  
Law and Economics Prerequisite: Econ 2106. This course provides an introduction to the economic analysis of legal issues and explores the relationship of legal institutions and laws to economic efficiency and social goals, such as justice. Topics are chosen from among the following: property rights, externalities and environmental control, administrative processes, crime, contracts and liability (e.g. product liability and medical malpractice), public utility and antitrust regulations, individual rights and discrimination.
ECON 4470  INDUSTRIAL ORG, REG, & ECON
Credit Hour(s): 3.0
Industrial Organization, Regulation, and Antitrust Economics. Prerequisite: Econ 2106. The theory of government regulatory and antitrust policies and their effects on the competitive performance of the economy and the behavior of individual firms and industries. Specific topics include an economic and some legal analysis of mergers, price discrimination, predatory strategies, tying contracts, resale price maintenance, cost-benefit studies, product and worker safety, the environment, and deregulation issues in telecommunications, transportation, and other industries, with special emphasis on modern landmark cases and the role of economics in affecting public policy.

ECON 4500  MONEY AND CREDIT
Credit Hour(s): 3.0
Money and Credit. Prerequisite: Econ 2105. A study of the role of money, credit, interest rates, and the balance of payments in determining the rate of production and employment in a nation's economy; emphasis is placed on monetary policies of the Federal Reserve System and their interaction with other elements of policy and with international economic currents.

ECON 4600  ECONOMIC DEVELOPMENT
Credit Hour(s): 3.0
Economic Development. Prerequisite: Econ 2105 and Econ 2106. This course analyzes the issues underlying vast differences in development among the nations of the world. Economic growth, subject to appropriate restraints on environmental degradation, is seen as a major instrument for improving the development of nations and the welfare of their people. The course employs elements of theories of growth, international trade and finance, industrial organization, money, as well as micro and macroeconomics to analyze causes of and prescribe cures for, underdevelopment.

ECON 4610  ECONOMY OF SOUTH AFRICA
Credit Hour(s): 3.0
The Economy of South Africa. Prerequisite: Econ 2105 and Econ 2106. This course examines the South African economy in detail. It aims to investigate reasons for the current state of this emerging economy and to assess prospects for future growth. In essence, this course is a case study in economic development. Classical and contemporary models of development and undevelopment will be examined in regards to their relevancy to the South African case. In addition, development issues such as poverty, inequality, human capital formation and trade policy will also be looked at in a South African context. The material will often be presented in a Sub-Saharan African context. That is, concurrent developments in other parts of the African continent will also be investigated and analyzed to offer points of contrast and comparison.

ECON 4620  EC STUDY ABROAD S. AFRICA
Credit Hour(s): 3.0
Economic Studies Abroad South Africa. Prerequisite: Econ 2105. This course is designed to be a brief survey of the South African economy with an emphasis on current topical issues. The course presents students with a case study in economic development. The course starts off the
first week with an overview of South African history and contemporary economic issues. During
the next two weeks students will travel to the Pretoria/Johannesburg area in Gauteng Province,
the industrial center of the country, and the Capetown area of the Western Cape. Through a
series of lectures and site visits students will be able to assess South Africa's potential for
economic growth and prosperity. Additional site visits are designed to provide students with an
exposure to South African peoples and their culture.

ECON 4680  AMERICAN ECONOMIC HISTORY
Credit Hour(s): 3.0
American Economic History. (Same as Hist 4210.) An intensive study of the development of the
American economy with an emphasis upon the changing structure, institutional pattern, and
performance of the system.

ECON 4750  INTRO TO GAME THEORY
Credit Hour(s): 3.0
Introduction to Game Theory. This course introduces the basics of game theory to undergraduate
students in various disciplines. It focuses on fundamentals of game theory including basic
concepts and techniques, various ways of describing and solving games, and various applications
in economics, political science, and business. It will help students sharpen their understanding of
strategic behavior in different situations involving many individuals.

ECON 4800  INTERNATIONAL TRADE
Credit Hour(s): 3.0
International Trade. Prerequisite: Econ 2106. An examination of theories of trade and empirical
verification, trade and welfare, tariff and non-tariff barriers to trade, common markets, and the
relationship between growth and trade.

ECON 4810  INTERNATIONAL FINANCE
Credit Hour(s): 3.0
International Finance. Prerequisite: Econ 2105. A study of the foreign exchange market, the
balance of payments, exchange-rate systems with particular emphasis on the current international
monetary system, the international macroeconomic model, and policies for internal and external
balance.

ECON 4930  MATHEMATICAL ECONOMICS
Credit Hour(s): 3.0
Mathematical Economics. Prerequisites: Econ 2105 and Econ 2106, and Math 2211 or Math
1220. This course provides an introduction to mathematical techniques that are frequently used
in economic analysis. Topics covered include differential and integral calculus and matrix
algebra. Emphasis is placed on the applications of mathematics to topics in economic theory.

ECON 4950  ECONOMETRICS & APPLICATIONS
Credit Hour(s): 3.0
Econometrics and Applications. Prerequisites: Econ 2105 and Econ 2106, and Math 1070. An
introduction to the regression model, its assumptions, limitations, and application to problems in
business and economics.
ECON 4960  ECONOMICS OF WORK AND PAY  
Credit Hour(s): 3.0  
Economics of Work and Pay. Prerequisite: 2106. This course applies economic theory to the analysis of labor markets. Topics examined include wage determination, employment and labor force growth, education and training, occupational attainment, unemployment, and the impact of discrimination, unions, and government policy on the functioning of labor markets.

ECON 4990  SPECIAL TOPICS IN ECONOMICS II  
Credit Hour(s): 1.0 TO 6.0  
Special Topics in Economics II. Prerequisite: Consent of instructor. Advanced studies in Economics; topics vary according to instructor. May be repeated if the topic differs.

ECON 4999  SENIOR CAPSTONE IN ECON-CTW  
Credit Hour(s): 3.0  
Senior Capstone in Economics-CTW. Prerequisites: ECON 3900, ECON 3910 and two 4000 level ECON courses with grades of C or better or permission of the instructor. This course serves as an integrative capstone course for the economics major and should normally be taken during the student's last two semesters of study. Basic tools and methods of economics are used to understand and analyze a variety of contemporary economic problems and policy issues. The course will be organized by research modules that cover at least four of the following six broad economics topics: business policy analysis; economic history and thought; social policy and human resources; international economics and globalization; government fiscal, environmental and urban policies; and behavioral economics. This course has been designated as CTW (Critical Thinking Through Writing) course.
| College and Department: | Department of Public Management and Policy  
Andrew Young School of Policy Studies | Date: 11/3/13 |
|------------------------|------------------------------------------|
| Title of program, degree, concentration, or SACS approved certificate | Master of Public Administration  
Master of Public Policy  
MPA concentration in Policy Analysis and Evaluation |
| Coordinator Name: | John C. Thomas |
| Is the coordinator a faculty member? | YES | NO |
| Coordinator Responsibilities (e.g. curriculum development, analysis of learning outcomes, action plans, assessment, recruitment, retention, graduation; student success, etc.): | Coordinator oversees recruitment, admissions, advising, student development, and retention for both our master's programs. He is the primary advisor for the MPA concentration in Policy Analysis and Evaluation. |
| Co-Coordinator? | NO | YES |
| Name of Co-Coordinator (please use a separate qualification sheet to complete requested information): | |
| Degrees Earned: | B.A., M.A. and Ph.D. |
| Experience related to responsibilities: | He has been on the faculty and taught in the master's programs for 20 years, and he served as department chair for 8 years. |
| Certifications related to program: |  |
| Courses Taught at GSU: | 3031, 4601, 8351, 8431, 9141, and 9341. |
Narrative statement of qualifications (to be completed by chair or dean):
As you draft the narrative, please consider the following:

1) What qualifications and credentials does the coordinator have for leadership in the development and review of the curriculum?

He served as department chair for 8 years and has taught in the master's programs for 20 years. He has frequently been a member of the faculty executive committee. He is a well-recognized scholar in the field of public administration and has been an editor of one of the top public administration journals for 26 years.

2) Please describe the role the coordinator has for assessing the quality of the curriculum for the program and for ensuring that the curriculum and its delivery are educationally sound?

He has chaired a committee to revamp the core curriculum of the MPA program. In consultation with the chair, he analyzes faculty reports on students' success in meeting the learning objectives associated with the core course and proposes action plans to address any weaknesses.

If primary responsibilities for curriculum development are assigned to persons other than faculty, please describe and provide supporting materials of qualifications.

All curriculum decisions are made by the full faculty, based on recommendations from committees appointed to study curricular reform.

Signatures:

Coordinator: [Signature] Date: 11/6/2015

Department Chair: [Signature] Date: 11/6/15

Dean: [Signature] Date: 11-6-2013
<table>
<thead>
<tr>
<th>College and Department:</th>
<th>Department of Public Management and Policy Andrew Young School of Policy Studies</th>
<th>Date:</th>
<th>11/3/13</th>
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<tbody>
<tr>
<td>Title of program, degree, concentration, or SACS approved certificate</td>
<td>Bachelor of Science in Public Policy</td>
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<tr>
<td>Coordinator Name:</td>
<td>Joseph Hacker</td>
<td>Is the coordinator a faculty member?</td>
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<td>YES</td>
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<td>Coordinator Responsibilities (e.g., curriculum development, analysis of learning outcomes, action plans, assessment, recruitment, retention, graduation; student success, etc.):</td>
<td>Coordinator the primary faculty mentor for undergraduates. He chairs a faculty committee to oversee the curriculum, works with the Office of Academic Assistance on retention issues, petition approvals and performs classroom observations for part-time instructors and graduate teaching assistants.</td>
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In the event of co-coordinators, please use a separate qualification sheet for each. Indicate only co-coordinator’s name below for cross-referencing purposes.

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<thead>
<tr>
<th>Co-Coordinator?</th>
<th>YES</th>
<th>NO</th>
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<tr>
<th>Degrees Earned:</th>
<th>B.A., M.S. and Ph.D.</th>
<th>Name of Co-Coordinator (please use a separate qualification sheet to complete requested information):</th>
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<td>Experience related to responsibilities:</td>
<td>He was an City and Regional planner for 15 years, 11 of which were as a unit manager for the greater Philadelphia regional planning commission, overseeing staff, staff projects, and performing staff evaluations and human resource related duties. He was an adjunct professor of planning at West Chester University and the University of Pennsylvania for 14 years, where he taught in the undergraduate and master’s planning programs, and was a certified high school social studies teacher with student advising experience for 2 years.</td>
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<tr>
<td>Certifications related to program:</td>
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<tr>
<td>Courses Taught at GSU:</td>
<td>3031, 4601, 8351, 8431, 9141, and 9341.</td>
<td></td>
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</tbody>
</table>
Narrative statement of qualifications (to be completed by chair or dean):
As you draft the narrative, please consider the following:

1) What qualifications and credentials does the coordinator have for leadership in the development and review of the curriculum?

He was an City and Regional planner for 15 years, 11 of which were as a unit manager for the greater Philadelphia regional planning commission, overseeing staff, staff projects, and performing staff evaluations and human resource related duties. He was an adjunct professor of planning at West Chester University and the University of Pennsylvania for 14 years, where he taught in the undergraduate and master's planning programs, and was a certified high school social studies teacher with student advising experience for 2 years. He has practical experience essential to our students and has a history of excellent teaching, making him an appropriate choice to mentor new teachers.

2) Please describe the role the coordinator has for assessing the quality of the curriculum for the program and for ensuring that the curriculum and its delivery are educationally sound?

He has chaired a committee to study the core curriculum of the BSPuP program. In consultation with the chair, he analyzes faculty reports on students' success in meeting the learning objectives associated with the core course and proposes action plans to address any weaknesses.

If primary responsibilities for curriculum development are assigned to persons other than faculty, please describe and provide supporting materials of qualifications.

All curriculum decisions are made by the full faculty, based on recommendations from committees appointed to study curricular reform.

Signatures:

Coordinator: [Signature] Date: 6/6/2013

Department Chair: [Signature] Date: 11/6/2013

Dean: [Signature] Date: 11/6/2013