* **Name**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **ID:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* **Major Program Requirements** **STREAM 4 e-mail**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* **Course Selection Guidelines for the Overall Program**
* 1. In their complete program (36 credits), students can take a maximum of 12 credits from any one discipline and must complete a minimum of 9 credits from two disciplines and must complete a minimum of 9 credits from a discipline other than Economics.
2. At least 18 of the 36 credits must be at the 300 level or above.
3. In the final year (U3), no program courses may be taken below the 300 level.
4. Students are permitted to take up to 3 credits maximum from another Stream Complementary course list, to count towards their chose Stream Complementary course list.
* **Required courses (15 credits)**
* [ECON 208 Microeconomic Analysis and Applications (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/econ-208)

Offered by: Economics ([Faculty of Arts](http://www.mcgill.ca/study/2015-2016/faculties/arts))

**Overview**

Economics (Arts) : A university-level introduction to demand and supply, consumer behaviour, production theory, market structures and income distribution theory.

**Terms: Fall 2015, Winter 2016**

Instructors: Mayssun El-Attar Vilalta, Paul Dickinson (Fall) Paul Dickinson (Winter)

* + Restriction: Not open to students who have taken or are taking ECON 230 or ECON 250
* [ECON 313 Economic Development 1 (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/econ-313)

Offered by: Economics ([Faculty of Arts](http://www.mcgill.ca/study/2015-2016/faculties/arts))

**Overview**

Economics (Arts) : Microeconomic theories of economic development and empirical evidence on population, labour, firms, poverty. Inequality and environment.

**Terms: Fall 2015, Winter 2016**

Instructors: John C Kurien (Winter)

* + Prerequisite: ECON 208 and either ECON 209 or one development course.
	+ Restriction: Not open to students who have taken 154-313D.
* [ECON 314 Economic Development 2 (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/econ-314)

Offered by: Economics ([Faculty of Arts](http://www.mcgill.ca/study/2015-2016/faculties/arts))

**Overview**

Economics (Arts) : Macroeconomic development issues, including theories of growth, public finance, debt, currency crises, corruption, structural adjustment, democracy and global economic organization.

**Terms: Fall 2015, Winter 2016**

Instructors: John C Kurien (Winter)

* + Prerequisite: ECON 313
	+ Restriction: Not open to students who have taken 154-313D
* [INTD 200 Introduction to International Development (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/intd-200)

Offered by: Inst for the St of Development ([Faculty of Arts](http://www.mcgill.ca/study/2015-2016/faculties/arts))

**Overview**

International Development : An interdisciplinary introduction to the field of International Development Studies focusing on the theory and practice of development. It examines various approaches to international development, including past and present relationships between developed and underdeveloped societies, and pays particular attention to power and resource distribution globally and within nations.

**Terms: Fall 2015**

Instructors: Kazue Takamura (Fall)

* [INTD 497 Research Seminar on International Development (3](http://www.mcgill.ca/study/2015-2016/courses/intd-497)

#### Complementary Courses Introductory - 6 credits from the following introductory courses (only one course from each discipline may be counted):

* [ANTH 202 Socio-Cultural Anthropology (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/anth-202)

Offered by: Anthropology ([Faculty of Arts](http://www.mcgill.ca/study/2015-2016/faculties/arts))

**Overview**

Anthropology : An introduction to ways of understanding what it means to be human from the perspective of socio-cultural anthropology. Students will be introduced to diverse approaches to this question through engagement with a wide range of ethnographic cases.

Terms: Fall 2015

Instructors: There are no professors associated with this course for the 2015-2016 academic year.

* + Fall
* [ANTH 212 Anthropology of Development (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/anth-212)

Offered by: Anthropology ([Faculty of Arts](http://www.mcgill.ca/study/2015-2016/faculties/arts))

**Overview**

Anthropology : Processes of developmental change, as they affect small communities in the Third World and in unindustrialized parts of developed countries. Problems of technological change, political integration, population growth, industrialization, urban growth, social services, infrastructure and economic dependency.

Terms: Winter 2016

Instructors: There are no professors associated with this course for the 2015-2016 academic year.

* + Winter
* [GEOG 210 Global Places and Peoples (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/geog-210)

Offered by: Geography ([Faculty of Science](http://www.mcgill.ca/study/2015-2016/faculties/science))

**Overview**

Geography : Introduction to key themes in human geography. Maps and the making, interpretation and contestation of landscapes, 'place', and territory. Investigation of globalization and the spatial organization of human geo-politics, and urban and rural environments.

Terms: Winter 2016

Instructors: Jon Unruh, Brian Robinson (Winter)

* + Winter
	+ 3 hours
* [GEOG 216 Geography of the World Economy (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/geog-216)

Offered by: Geography ([Faculty of Science](http://www.mcgill.ca/study/2015-2016/faculties/science))

**Overview**

Geography : The course introduces the geography of the world economic system. It describes the spatial distribution of economic activities and examines the factors which influence their changing location. Case studies from both "developed" and "developing" countries will test the different geographical theories presented in lectures.

Terms: Fall 2015

Instructors: Oliver T Coomes, Sebastien Breau (Fall)

* + Fall
	+ 3 hours
* [POLI 227 Developing Areas/Introduction (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/poli-227)

Offered by: Political Science ([Faculty of Arts](http://www.mcgill.ca/study/2015-2016/faculties/arts))

**Overview**

Political Science : An introduction to Third World politics. A comparative examination of the legacies of colonialism, the achievement of independence, and contemporary dynamics of political and socio-economic development in Africa, Asia and Latin America. Topics include modernization, dependency, state-building and national integration, revolution, the role of the military, and democratization.

Terms: Winter 2016

Instructors: Philip Oxhorn (Winter)

* + Note: The area in the field of Comparative Politics is Developing Areas.
* [SOCI 254 Development and Underdevelopment (3 credits](http://www.mcgill.ca/study/2015-2016/courses/soci-254)

**Stream 4 Courses (must chose 15 credits)**

* [AGEC 430 Agriculture, Food and Resource Policy (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/agec-430)

Offered by: Agricultural Economics ([Agricultural & Environmental Sciences](http://www.mcgill.ca/study/2015-2016/faculties/macdonald))

**Overview**

Agricultural Economics : Examination of North American and international agriculture, food and resource policies, policy instruments, programs and their implications. Economic analysis applied to the principles, procedures and objectives of various policy actions affecting agriculture, and the environment.

**Terms: Winter 2016**

Instructors: John C Henning (Winter)

* + Winter
	+ 3 lectures
	+ Prerequisites: AGEC 200 or equivalent
* [AGEC 442 Economics of International Agricultural Development (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/agec-442)

Offered by: Agricultural Economics ([Agricultural & Environmental Sciences](http://www.mcgill.ca/study/2015-2016/faculties/macdonald))

**Overview**

Agricultural Economics : The course deals with economic aspects of international development with emphasis on the role of food, agriculture and the resource sector in the economy of developing countries. Topics will include world food analysis, development project analysis and policies for sustainable development. Development case studies will be used.

**Terms: Winter 2016**

Instructors: There are no professors associated with this course for the 2015-2016 academic year.

* + Winter
	+ 3 lectures
	+ Prerequisites: AGEC 200 or AGEC 201 or equivalent
* [AGRI 411 Global Issues on Development, Food and Agriculture (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/agri-411)

Offered by: Animal Science ([Agricultural & Environmental Sciences](http://www.mcgill.ca/study/2015-2016/faculties/macdonald))

**Overview**

Agriculture : International development and world food security and challenges in developing countries. Soil and water management, climate change, demographic issues, plant and animal resources conservation, bio-products and biofuels, economic and environmental issues specially in tropical and sub-tropical regions. Globalization, sustainable development, technology transfer and human resources needs for rural development.

**Terms: Winter 2016**

Instructors: Humberto Monardes (Winter)

* + Winter
	+ Two 2-hour conferences
* [ANTH 206 Environment and Culture (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/anth-206)

Offered by: Anthropology ([Faculty of Arts](http://www.mcgill.ca/study/2015-2016/faculties/arts))

**Overview**

Anthropology : Introduction to ecological anthropology, focusing on social and cultural adaptations to different environments, human impact on the environment, cultural constructions of the environment, management of common resources, and conflict over the use of resources.

**Terms: Fall 2015**

Instructors: There are no professors associated with this course for the 2015-2016 academic year.

* + Fall
* [ANTH 301 Nomadic Pastoralists (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/anth-301)

Offered by: Anthropology ([Faculty of Arts](http://www.mcgill.ca/study/2015-2016/faculties/arts))

**Overview**

Anthropology : Variations in herding systems over a wide range of habitats and involving a variety of species of domestic livestock. Comparative perspectives on the prehistory of pastoral systems, on the ideologies, cultures, and social and economic systems of nomadic pastoralists. Relations with non-pastoralists and the effects of change and development will also be examined.

**Terms: Fall 2015**

Instructors: Philip Carl Salzman (Fall)

* + Fall
	+ Prerequisite: ANTH 202, or ANTH 205, or ANTH 206, or ANTH 212
* [ANTH 339 Ecological Anthropology (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/anth-339)

Offered by: Anthropology ([Faculty of Arts](http://www.mcgill.ca/study/2015-2016/faculties/arts))

**Overview**

Anthropology : Intensive study of theories and cases in ecological anthropology. Theories are examined and tested through comparative case-study analysis. Cultural constructions of "nature" and "environment" are compared and analyzed. Systems of resource management and conflicts over the use of resources are studied in depth.

**Terms: Winter 2016**

Instructors: Colin H Scott (Winter)

* + Winter
	+ Prerequisite: ANTH 204, or ANTH 206, or SOCI 328, or GEOG 300 or ENVR 201, or ENVR 203, or permission of instructor
* [ANTH 512 Political Ecology (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/anth-512)

Offered by: Anthropology ([Faculty of Arts](http://www.mcgill.ca/study/2015-2016/faculties/arts))

**Overview**

Anthropology : Historical, theoretical and methodological development of political ecology as a field of inquiry on the interactions between society and environment, in the context of conflicts over natural resources.

**Terms: Winter 2016**

Instructors: Ismael Vaccaro (Winter)

* + Winter
* [ECON 326 Ecological Economics (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/econ-326)

Offered by: Economics ([Faculty of Arts](http://www.mcgill.ca/study/2015-2016/faculties/arts))

**Overview**

Economics (Arts) : Macroeconomic and structural aspects of the ecological crisis. A course in which subjects discussed include the conflict between economic growth and the laws of thermodynamics; the search for alternative economic indicators; the fossil fuels crisis; and "green'' fiscal policy.

**Terms: Fall 2015, Winter 2016**

Instructors: Robin Thomas Naylor (Fall) Robin Thomas Naylor (Winter)

* + Prerequisites: ECON 208 and ECON 209 or consent of instructor
* [GEOG 302 Environmental Management 1 (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/geog-302)

Offered by: Geography ([Faculty of Science](http://www.mcgill.ca/study/2015-2016/faculties/science))

**Overview**

Geography : An ecological analysis of the physical and biotic components of natural resource systems. Emphasis on scientific, technological and institutional aspects of environmental management. Study of the use of biological resources and of the impact of individual processes.

**Terms: Fall 2015**

Instructors: Thomas C Meredith (Fall)

* + 3 hours
	+ Prerequisite: Any 200-level course in Geography or MSE or BIOL 208 or permission of instructor.
	+ \*\*Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.
* [GEOG 403 Global Health and Environmental Change (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/geog-403)

Offered by: Geography ([Faculty of Science](http://www.mcgill.ca/study/2015-2016/faculties/science))

**Overview**

Geography : Major themes and contemporary case studies in global health and environmental change. Focus on understanding global trends in emerging infectious disease from social, biophysical, and geographical perspectives, and critically assessing the health implications of environmental change in different international contexts.

**Terms: This course is not scheduled for the 2015-2016 academic year.**

Instructors: There are no professors associated with this course for the 2015-2016 academic year.

* + Fall
	+ Prerequisite: GEOG 205 or GEOG 221 or GEOG 321 or GEOG 303 or permission from the instructor
	+ Restriction: Course not open to students who were registered for GEOG 303 in Winter 2008.
* [GEOG 408 Geography of Development (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/geog-408)

Offered by: Geography ([Faculty of Science](http://www.mcgill.ca/study/2015-2016/faculties/science))

**Overview**

Geography : Examines the geographical dimensions of development policy, specifically the relationships between the process of development and human-induced environmental change. Focuses on environmental sustainability, struggles over resource control, population and poverty, and levels of governance (the role of the state, non-governmental organizations, and local communities).

**Terms: Fall 2015**

Instructors: Jon Unruh (Fall)

* + Fall
	+ 3 hours
	+ Prerequisite: GEOG 210 or GEOG 216 or permission of instructor
* [GEOG 410 Geography of Underdevelopment: Current Problems (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/geog-410)

Offered by: Geography ([Faculty of Science](http://www.mcgill.ca/study/2015-2016/faculties/science))

**Overview**

Geography : An examination of the cultural, political, and economic mechanisms and manifestations of contemporary underdevelopment and the response to it from different regional and national peripheral societies within the dominant world economic system.

**Terms: This course is not scheduled for the 2015-2016 academic year.**

Instructors: There are no professors associated with this course for the 2015-2016 academic year.

* + Winter
	+ 3 hours
	+ Prerequisite: GEOG 216 or permission of instructor
* [GEOG 510 Humid Tropical Environments (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/geog-510)

Offered by: Geography ([Faculty of Science](http://www.mcgill.ca/study/2015-2016/faculties/science))

**Overview**

Geography : Focus on the environmental and human spatial relationships in tropical rain forest and savanna landscapes. Human adaptation to variations within these landscapes through time and space. Biophysical constraints upon "development" in the modern era.

**Terms: This course is not scheduled for the 2015-2016 academic year.**

Instructors: There are no professors associated with this course for the 2015-2016 academic year.

* + Fall
	+ 3 hours
	+ Prerequisite: GEOG 203 or equivalent and written permission of the instructor
* [HIST 361 The Canadian West (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/hist-361)

Offered by: History and Classical Studies ([Faculty of Arts](http://www.mcgill.ca/study/2015-2016/faculties/arts))

**Overview**

History : Topics include indigenous history, the fur trade, immigration and ethnicity, economic development, environment, and regional political movements and cultures.

**Terms: This course is not scheduled for the 2015-2016 academic year.**

Instructors: There are no professors associated with this course for the 2015-2016 academic year.

* + Prerequisite: HIST 202 or HIST 203 or permission of instructor
	+ Restriction: Not open to students who have taken HIST 362
* [INTD 350 Culture and Development (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/intd-350)

Offered by: Inst for the St of Development ([Faculty of Arts](http://www.mcgill.ca/study/2015-2016/faculties/arts))

**Overview**

International Development : This is a general survey course intended to familiarize students with the complexities surrounding the interaction between culture and development from a variety of theoretical perspectives. Specific themes may include religion, democracy, gender, diaspora communities and the environment, using relevant case studies from the developing world.

**Terms: This course is not scheduled for the 2015-2016 academic year.**

Instructors: There are no professors associated with this course for the 2015-2016 academic year.

* + Prerequisite(s): A 200 or 300 level course related to International Development, or permission of instructor.
	+ Restriction(s): Not open to students who have taken INTD 397 in Winter 2014 or Winter 2015.
* [INTD 397 Topics in International Development (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/intd-397)

Offered by: Inst for the St of Development ([Faculty of Arts](http://www.mcgill.ca/study/2015-2016/faculties/arts))

**Overview**

International Development : Examines topics in specific problem areas in International Development Studies. Content varies every term.

**Terms: Winter 2016**

Instructors: Kazue Takamura (Winter)

* + Prerequisite: A 200 or 300 level course related to International Development, or permission of instructor.
* [INTD 490 Development Research Project (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/intd-490)

Offered by: Inst for the St of Development ([Faculty of Arts](http://www.mcgill.ca/study/2015-2016/faculties/arts))

**Overview**

International Development : Supervised reading, research project in international development. Requirements consist of a project proposal and final research report.

**Terms: Fall 2015, Winter 2016**

Instructors: Kazue Takamura (Fall)

* + Prerequisite: completion of ECON 313 and 3 credits of IDS Group A Complementary Courses
	+ Restriction: Open only to students enrolled in International Development Studies Concentrations with prior approval of IDS program adviser and project supervisor
* [INTD 499 Internship: International Development Studies (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/intd-499)

Offered by: Inst for the St of Development ([Faculty of Arts](http://www.mcgill.ca/study/2015-2016/faculties/arts))

**Overview**

International Development : Internship with an approved host institution or organization.

**Terms: Fall 2015, Winter 2016**

Instructors: Nii Antiaye Addy, Manuel Balan, Taweewan Sidthidet, Kazue Takamura, Emine Sarigollu, Jon Soske, R Philip Buckley, Catherine C LeGrand, John Galaty, Matthieu Chemin, Humberto Monardes, Colin Austin Chapman, Philip Oxhorn, Bronwen Low, Fernando Nunez, David Rothwell, Amélie Quesnel Vallée, James Torczyner (Fall) Philip Oxhorn, Claudia A Mitchell (Winter)

* + Restriction: Open to U2 and U3 students with a minimum CGPA of 2.7, and permission of the departmental Internship Adviser. This course will not normally fulfill program requirements for seminar or 400-level courses. A letter from a supervisor at the institution must attest to successful completion of the student's tenure.
* [MGPO 440 Strategies for Sustainability (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/mgpo-440)

Offered by: Management ([Desautels Faculty of Management](http://www.mcgill.ca/study/2015-2016/faculties/desautels))

**Overview**

Management Policy : This course explores the relationship between economic activity, management, and the natural environment. Using readings, discussions and cases, the course will explore the challenges that the goal of sustainable development poses for our existing notions of economic goals, production and consumption practices and the management of organizations.

**Terms: Fall 2015, Winter 2016**

Instructors: Dror Etzion (Fall)

* + Restriction: Open to U2, U3 students only
* [MSUS 402 Systems Thinking and Sustainability (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/msus-402)

Offered by: Management ([Desautels Faculty of Management](http://www.mcgill.ca/study/2015-2016/faculties/desautels))

**Overview**

MSUS : Examines interconnected dynamics of organizations and social, economic, and ecological systems. Introduces systems thinking principles to foster learning, inform organizational decision-making, and solve real-world problems. Covers problem diagnosis and resolution of organizational and societal sustainability issues through causal loop diagrams, stock-and-flow mapping, group model building, computational simulations and case studies.

**Terms: Winter 2016**

Instructors: Jeroen Struben (Winter)

* + Restriction: Open only to U2 and U3 students.
* [NUTR 501 Nutrition in Developing Countries (3 credits)](http://www.mcgill.ca/study/2015-2016/courses/nutr-501)

**Notes**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_