This course introduces students to the background and concepts of international development and gives insight into how to work effectively on a development project and/or in an international context. This course will assist students to be able to effectively use their engineering abilities in developing countries. The general objectives are for the student to become able to:

- Develop a deep and broad understanding of how international development cooperation works through critical thinking and using ideas and perspectives from many disciplines
- Acquire the tools to prepare to be an effective practitioner of international development cooperation, participate in and lead collaborative efforts to address international development challenges
- Evaluate international development cooperation work on the basis of desired results and methodologies
- Deconstruct case studies, key in on important information, design solutions while keeping uppermost in mind the root-causes and consequences in the context of an international development project
- Improve written, oral communication skills and critical thinking through thoughtful class contribution, debate, presentations and discussion
- Recognize the need for life-long learning to keep abreast of new methods in international development cooperation, enhance one’s abilities as an effective practitioner, and maintain one’s professional competence.

**Calendar Copy:**
The course will assist students to achieve a broad understanding of international development to enable the effective use of engineering in developing countries. The course covers what works and does not work in international development. You will be involved in targeting collaboration, understanding and respecting the influences of culture, solutions, and consequences in development work.

**Prerequisites:**
Admission to the Environmental Engineering with International Development Option or the Structural Engineering with International Development Option.

**Antirequisite:**
None

**Note:** It is the student's responsibility to ensure that all Prerequisite and Corequisite conditions are met or that special permission to waive these requirements has been granted by the Faculty. It is also the student's responsibility to ensure that they have not taken a course listed as an Antirequisite. The student may be dropped from the course or not given credit for the course towards their degree if they violate the Prerequisite, Corequisite or Antirequisite conditions.

**Contact Hours:** 4 lecture hours/week  Monday 8:30- 10:30 and Friday 8:30-10:30
(additional study/homework 4+ hours per week)
Instructor: Christine Gilmore, Email: cgilmor4@uwo.ca.

Administrative Support: Sandra McKay, SEB Room 3005

Office Hours: determined after discussion with class.

Textbook: Purchase of the text or the e-Book is required for this course. International Development: A Casebook for Effective Management. Paperback is in the UWO bookstore. Students may also purchase an e-Book from the Publisher. Please do not purchase e-Book from sources other than the Publisher. Students who have done so have found discrepancies and page alignment differences.

Authors: Frederick Keenan and Christine Gilmore

Publisher: iUniverse Inc. (01/06/2011) ISBN: 978-1-4502-5526-4

Other References:
See Suggested Reading and Viewing in International Development Literature list posted on OWL. Additional Reading will be provided throughout the course.

Units: SI units will be used in lectures and examinations

Course Style and Specific Learning Objectives
The pedagogical model is collaborative learning. The classes will be based on a combination of discussions, debates, readings, videos, presentations and lectures.

The course instructor will provide mentorship and guidance for the students to undertake individual and collective learning processes focused on achieving the course objectives.

Case studies that will illustrate true to life, practical applications of the topic material and course assignments will explore pertinent areas of international development.

By the end of the course, the student should be able to articulate her/his own learning with respect to these key points aligned with the course’s specific learning objectives:

- Show their comprehensive knowledge of what is happening in the world [IESE1]
- Explain what works and what doesn’t in international development cooperation [IESE 1,2,3, CS 2,3, PA 1,2,3]
- Use effectively results based management to plan an international development project [PA2]
- Use their critical thinking to make good decisions in complex situations in group work [ITW1,2,3, PA 1,2,3]
- Demonstrate their knowledge of the decision making processes in international development projects through use of decision matrices and be able to apply this knowledge to specific case studies [IESE 1,2,3, PA 1,2,3, PR2]
- Summarize key aspects of international development cooperation projects that have been successful and those that have failed [CS1, IESE 1,2,3, PA 2,3]
- Articulate what lessons were learned from various aspects of international development cooperation [CS 2,3]
- Identify key terms used in the context of international development [CS2]
- Improve written, communication and presentation skills [CS2, CS3]
• Identify challenges, circumstances and consequences faced by developing countries in our
global community [PA 1,2,3]

General Learning Objectives

E=Evaluate, T=Teach, I=Introduce (Developing Level)

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Evaluation Breakdown:

The final course mark will be determined as follows:

Class Participation/Contribution: ....................     10%
Weekly News Assignments + Reflection paper     20%
Country + I D Topic Presentation....................      15%
Quiz   ................................................................      15%
Written Final Examination                                      40%
Total 100%

Your marks will be a combination of written assignments sent to OWL’s Assignments site, your
opinions and analysis expressed throughout classroom discussion and, individual presentations.

Note:  
(a) Students must pass the final examination to pass this course. Students who fail the final
examination will be assigned the aggregate mark, as determined above, or 48%, whichever is less.

(b) Students must turn in all individual assignments and projects to pass this course. Students
who do not satisfy this requirement will be assigned 48% or the aggregate mark, whichever is less.

(c) Students who have failed this course previously must repeat all components of the course.
No special permissions will be granted enabling a student to retain laboratory, assignment or test
marks from previous years. Previously completed assignments and laboratories cannot be
resubmitted.

(d) Should any of the classes conflict with a religious holiday that a student wishes to observe, the
student must inform the instructor of the conflict no later than two weeks before the scheduled class.

1. Final Examination:
The 3 hour final examination will be written in-person CLOSED BOOK. The class may be broken into
groups, with each group having variations in the questions of the final exam.

2. Assignments:

a) Assignments:

Three assignments will be completed for this class: the News Article Project (20%), a
Language/Culture / ID Topic Presentation –each student (15%) and a written Quiz (15%)
The News Article Assignment will involve **4 weekly news log submissions** due on the dates stated on the information sheet, plus a Reflection paper on a scheduled date (*send to News Log #1, News Log #2 etc., in OWL- Assignments*)

The Language/Culture, International Development Topic Presentation, involves each student choosing a country and ID topic. Then using the guidelines provided on the information sheet, present the information for 20-25 minutes in class on the date provided.

The QUIZ will be written in-person - conducted **during class time**.

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**b) Weekly Case Studies, Articles, videos:**

*Homework* - Assignments and readings for discussions will be communicated via OWL Class tabs (left hand side of screen) weekly (*Wednesday afternoon*) which gives 4.5 days in advance of when work is due and will contain:

i) Case study information, articles, videos, guideline questions etc. to be written for your notes to be used in class discussions. Discussions concerning your ideas and content may be conducted at an opportune time in class.

These are intended to broaden students’ knowledge of international development topics and assist with class discussion.

Case studies must be read in advance of class and students should prepare adequate notes to guide them in class discussion.

Students are responsible for keeping a copy of their written work.

**Please, note that late assignments will be penalized as follows:**

- Within 24 hrs of deadline 10% will be deducted
- Within 48 hrs of deadline 20% will be deducted
- Within 72 hrs of deadline 30% will be deducted.

Assignments handed in after 72 hrs have passed from the deadline will not be graded.

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### 3. Class Contribution/Participation 10%

During our classroom discussions, the student is responsible to contribute to the class conversation, ask questions to your classmates, offer insights and opinions. It also means that you are: respectful of your classmates and their opinions, are arriving on time to class, and not engaging in negative or disruptive behaviours.

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### 4. Use of English

In accordance with Senate and Faculty Policy, students may be penalised up to 10% of the marks on all assignments, tests, and examinations for the improper use of English. Additionally, poorly written work with the exception of the final examination may be returned without grading. If resubmission of the work is permitted, it may be graded with marks deducted for poor English and/or late submission.
**Cheating:**
University policy states that cheating is a scholastic offence. The commission of a scholastic offence is attended by academic penalties that might include expulsion from the program. If you are caught cheating, there will be no second warning.

For more information on scholastic offenses, please see:
http://www.uwo.ca/univsec/handbook/appeals/scholastic_discipline_undergrad.pdf

**Attendance:**
Any student who, in the opinion of the instructor, has not engaged sufficiently in class, laboratory, or tutorial periods will be reported to the Dean (after due warning has been given). On the recommendation of the Department concerned, and with the permission of the Dean, the student will be debarred from taking the regular final examination in the course.

**Accommodation:**
Students with disabilities work with Accessible Education (formerly SSD) which provides recommendations for accommodation based on medical documentation or psychological and cognitive testing. The accommodation policy can be found here: Academic Accommodation for Students with Disabilities.

**Academic Consideration for Student Absence**
Students will have up to two (2) opportunities during the regular academic year to use an on-line portal to self-report an absence during the term, provided the following conditions are met: the absence is no more than 48 hours in duration, and the assessment for which consideration is being sought is worth 30% or less of the student’s final grade. Students are expected to contact their instructors within 24 hours of the end of the period of the self-reported absence, unless noted on the syllabus. Students are not able to use the self-reporting option in the following circumstances:

- for exams scheduled by the Office of the Registrar (e.g., December and April exams)
- absence of a duration greater than 48 hours,
- assessments worth more than 30% of the student’s final grade,
- if a student has already used the self-reporting portal twice during the academic year

If the conditions for a Self-Reported Absence are not met, students will need to provide a Student Medical Certificate if the absence is medical, or provide appropriate documentation if there are compassionate grounds for the absence in question. Students are encouraged to contact their Faculty academic counseling office to obtain more information about the relevant documentation.

Students should also note that individual instructors are not permitted to receive documentation directly from a student, whether in support of an application for consideration on medical grounds, or for other reasons. All documentation required for absences that are not covered by the Self-Reported Absence Policy must be submitted to the Academic Counseling office of a student's Home Faculty.

For Western University policy on Consideration for Student Absence, see
Policy on Academic Consideration for Student Absences - Undergraduate Students in First Entry Programs

and for the Student Medical Certificate (SMC), see:
Religious Accommodation

Students should consult the University's list of recognized religious holidays, and should give reasonable notice in writing, prior to the holiday, to the Instructor and an Academic Counselor if their course requirements will be affected by a religious observance. Additional information is given in the Western Multicultural Calendar.

Use of Recordings:

All of the remote learning sessions for this course will be recorded. The data captured during these recordings may include your image, voice recordings, chat logs and personal identifiers (name displayed on the screen). The recordings will be used for educational purposes related to this course, including evaluations. The recordings may be disclosed to other individuals under special circumstances. Please contact the instructor if you have any concerns related to session recordings.

Participants in this course are not permitted to record the sessions, except where recording is an approved accommodation, or the participant has the prior written permission of the instructor.

Conduct:

Students are expected to arrive at lectures on time, and to conduct themselves during class in a professional and respectful manner that is not disruptive to others. Please turn off your cell phone before coming to a class, tutorial, quiz or exam. On the premises of the University or at a University-sponsored program, students must abide by the Student Code of Conduct: [http://www.uwo.ca/univsec/board/code.pdf](http://www.uwo.ca/univsec/board/code.pdf)

Use the above for 4th year in-person courses
Use the below for online courses

Some components of this course will involve online interactions. To ensure the best experience for both you and your classmates, please honour the following rules of etiquette:

- please “arrive” to class on time
- please use your computer and/or laptop if possible (as opposed to a cell phone or tablet)
- ensure that you are in a private location to protect the confidentiality of discussions in the event that a class discussion deals with sensitive or personal material
- to minimize background noise, kindly mute your microphone for the entire class until you are invited to speak, unless directed otherwise
- [suggested for classes larger than 30 students] In order to give us optimum bandwidth and web quality, please turn off your video camera for the entire class unless you are invited to speak
- [suggested for cases where video is used] please be prepared to turn your video camera off at the instructor’s request if the internet connection becomes unstable
- unless invited by your instructor, do not share your screen in the meeting

The course instructor will act as moderator for the class and will deal with any questions from participants. To participate please consider the following:
· if you wish to speak, use the “raise hand” function and wait for the instructor to acknowledge you before beginning your comment or question
· remember to unmute your microphone and turn on your video camera before speaking
· self-identify when speaking.
· remember to mute your mic and turn off your video camera after speaking (unless directed otherwise)

**General considerations of “netiquette”:**

· Keep in mind the different cultural and linguistic backgrounds of the students in the course.
· Be courteous toward the instructor, your colleagues, and authors whose work you are discussing.
· Be respectful of the diversity of viewpoints that you will encounter in the class and in your readings. The exchange of diverse ideas and opinions is part of the scholarly environment. “Flaming” is never appropriate.
· Be professional and scholarly in all online postings. Cite the ideas of others appropriately.

**Note** that disruptive behaviour of any type during online classes, including inappropriate use of the chat function, is unacceptable. Students found guilty of Zoom-bombing a class or of other serious online offenses may be subject to disciplinary measures under the Code of Student Conduct.

**Contingency plan for an in-person class pivoting to 100% online learning:**

In the event of a COVID-19 resurgence during the course that necessitates the course delivery moving away from face-to-face interaction, all remaining course content will be delivered entirely online, either synchronously (i.e., at the times indicated in the timetable) or asynchronously (e.g., posted on OWL for students to view at their convenience). The grading scheme will not change. Any remaining assessments will also be conducted online as determined by the course instructor.

**Online Proctoring Notice:**

1. If using Proctortrack or alternative remote proctoring solution only:

Tests and examinations in this course will be conducted using the remote proctoring service, Proctortrack. By taking this course, you are consenting to the use of this software and acknowledge that you will be required to provide personal information (including some biometric data) and the session will be recorded. More information about this remote proctoring service is available in the Online Proctoring Guidelines at the following link:


Completion of this course will require you to have a reliable internet connection and a device that meets the technical requirements for this service. Information about the technical requirements are available at the following link:

[https://www.proctortrack.com/tech-requirements/](https://www.proctortrack.com/tech-requirements/).

2. If using Zoom Only: Tests and examinations in this course will be conducted using Zoom. You will be required to keep your camera on for the entire session, hold up your student card for identification purposes, and share your screen with the invigilator if asked to do so at any time during the exam. The exam session will not be recorded.*
More information about the use of Zoom for exam invigilation is available in the Online Proctoring Guidelines at the following link:


Completion of this course will require you to have a reliable internet connection and a device that meets the system requirements for Zoom. Information about the system requirements are available at the following link:

https://support.zoom.us/hc/en-us.

* Please note that Zoom servers are located outside Canada. If you would prefer to use only your first name or a nickname to login to Zoom, please discuss this with your instructor in advance of the test or examination.

3. If using both Zoom and Proctortrack or alternative remote proctoring solution:

Tests and examinations in this course will be conducted using both Zoom and the remote proctoring service, Proctortrack.

When Zoom is used for exam invigilation, you will be required to keep your camera on for the entire session, hold up your student card for identification purposes, and share your screen with the invigilator if asked to do so at any time during the exam. The exam session using Zoom will not be recorded.*

Proctortrack will require you to provide personal information (including some biometric data). The session will be recorded. By taking this course, you are consenting to the use of this software. More information about remote proctoring is available in the Online Proctoring Guidelines at the following link:


Completion of this course will require you to have a reliable internet connection and a device that meets the system and technical requirements for both Zoom and Proctortrack. Information about the system and technical requirements are available at the following links:

https://www.proctortrack.com/tech-requirements/,

https://support.zoom.us/hc/en-us.

* Please note that Zoom servers are located outside Canada. If you would prefer to use only your first name or a nickname to login to Zoom, please discuss this with your instructor in advance of the test or examination.

Notice: Students are responsible for regularly checking their email, course website (https://owl.uwo.ca) and notices posted outside the Civil and Environmental Engineering Department Office

Consultation: Students are encouraged to discuss problems with their teaching assistant and/or the Instructor in tutorial sessions. Office hours will be arranged for the students to meet with the Instructor and teaching assistants. Other individual consultation can be arranged by appointment with the instructor.