

CSW60: Faith and Computer Education in the Dominican Republic
Calvin College
January 2019

Instructor: Prof. Derek Schuurman
e-mail: ds33@calvin.edu
phone: (616) 526-8562
office: NH 296

Readings: Steve Corbett and Brian Fikkert, *When Helping Hurts: Alleviating the Poverty Without Hurting The Poor...And Yourself*, Moody Publishers, 2012.
Tracy Kuperus and Roland Hoksbergen, *When Helping Heals*, Calvin College Press, 2016, chapter 5 “So, Should We Help People in the Global South?”
Derek C. Schuurman, “Introducing Open Source and the Raspberry Pi to Schools in Developing Nations”, *Perspectives on Science and Christian Faith*, Volume 67, Number 1, March 2015, pp. 50-53. <https://www.asa3.org/ASA/PSCF/2015/PSCF3-15Schuurman.pdf>

Dates: January 3-23, 2019

Location: January 3-10: Calvin College, room SB-337
January 11-23: Santo Domingo, Dominican Republic
Meals and lodging will be provided at the CRC Ministry Center, Santo Domingo.
Logistics to be arranged by a partner organization, Edudeo Ministries.

Course Description:

This trip will provide opportunities to serve and learn about computing in Christian schools in the Dominican Republic. Participants will have the opportunity to visit computer labs in Christian schools and work alongside a group of Dominican computer teachers. Students will join a group of teachers for a three-day workshop focused on the relationship between faith and technology while learning to use the Raspberry Pi in K-12 education. Participants will work in pairs to prepare a simple presentation using the Raspberry Pi, which will be shared as part of the larger workshop. The course will begin on campus with class lectures discussing appropriate technology and approaches to development work. Students will then prepare a lesson using the Raspberry Pi to share with teachers in the DR. After arriving in the DR, students will tour Christian schools and cultural sites to learn more about the context and culture. Students will then present and share the material they prepared at a workshop for local teachers. Finally, students will reflect and write about their experience after returning to Calvin.

Prerequisite: CS104, CS106, or CS108 and interest in computing and education or permission of instructor.

Learning Outcomes:

- Students in this course will experience Dominican culture and reflect on that experience.
- Students in this course demonstrate they can create an engaging computer lesson to share and present to teachers in a workshop setting.
- Students in this course will be able to discuss the notion of appropriate technology and discuss some of the issues that can arise in development and service projects.

Reflection paper:

Students are required to submit a reflection paper at the end of the trip. The paper will be a response to the readings, a reflection on the student's cross-cultural experience, and a discussion on appropriate technology. What lessons were learned from the book *When Helping Hurts* and how did it inform your cross-cultural interactions? How can a reformed Christian perspective inform development work and how technology is used? Paper should consist of roughly 4 pages (not more than 1000 words). Due date will be by January 25 at midnight.

Tentative Schedule:

Date (2019)	Activities
January 3-10	Morning classes to introduce and prepare for the trip Students prepare workshops to share with the teachers
Friday, January 11	Flight to DR (arrive in the DR around 7:30pm)
Saturday, January 12	Welcome and Orientation with Sinergia Exploring historical Santo Domingo
Sunday, January 13	Leave 8:30am for church Afternoon: cultural experience
Monday, January 14	Tour local Christian schools (Emanuel Christian School) Learn what the schools are teaching and how they are teaching it
Tuesday, January 15	Visit Renacer Christian School - Los Alcarrizos
Wednesday, January 16	Teacher Workshop day 1 (9am-4pm)
Thursday, January 17	Teacher Workshop day 2 (9am - 4pm)
Friday, January 18	Teacher Workshop day 3 (9am - 1pm)
Saturday, January 19	Cultural day
Sunday, January 20	Church out of town in a village Swimming in the Ocean
Monday, January 21	Catholic Holiday in the DR (long weekend) Vision trip: learn about the spirituality of the country
Tuesday, January 22	Vision trip: reflection tour
Wednesday, January 23	Review and discussion of trip. Flight home.
Thursday, January 24	Wrap up meeting at Calvin College
Friday, January 25	Reflection paper due at 11:59pm.