

COESSING 2018 Agenda

Coastal Ocean Environment Summer School in Ghana

July 30 - August 4, 2018

University of Ghana, Legon, Accra

Day 1 - Monday July 30, 2018

0700-0800 *Registration*

0800-0830 *Breakfast*

0845-1015 *Opening ceremony*

1015-1030 *Break*

1030-1200 *Introduction to the school schedule, beach trip, and **overview** vs **project-based** tracks.*

Includes introduction of instructors, possible projects, and survey of participants.

*Sorting of participants into **overview** vs. **project-based** tracks.*

1200-1300 *Lunch*

Overview track - Lectures

1300-1415 Coastal dynamics I (Emily Shroyer)

1415-1530 Biogeochemistry I (Winn Johnson)

Project-based track

1300-1530 Lectures, tutorials, or meetings with advisors for **project-based** track

1530-1700 *Satellite oceanography I (Ebenezer Nyadjro)*

Day 2 - Tuesday July 31, 2018

0800-0830 *Breakfast*

0845 *Load the bus for the beach excursion and tide gauge deployment*

1800 *Return to University of Ghana*

Day 3 - Wednesday August 1, 2018

0800-0830 *Breakfast*

Overview track - Lectures

0845-0930 Coastal dynamics II (Stephan Howden)

0930-1015 Biogeochemistry II (Winn Johnson)

Project-based track

0845-1015 Lectures, tutorials, or meetings with advisors for **project-based track**

1015-1030 *Break*

1030-1200 *Tides (Brian Arbic)*

1200-1300 *Lunch*

Overview track - Rotating labs

1300-1415 Physics of fluids I (Emily Shroyer/Stephan Howden)

1415-1530 Biogeochemistry I: Nutrient analysis (Winn Johnson)

1530-1645 Satellite oceanography I (Ebenezer Nyadjro)

Project-based track

1300-1645 Project working time (faculty who are not teaching basic labs, will be available to work with individuals or small groups).

Day 4 - Thursday August 2, 2018

0800-0830 *Breakfast*

Overview track - Lectures

0845-0930 Environmental pollution in Densu Estuary (Lailah Gifty Akita)

0930-0945 Research talk (Nefertiti Smith)

0945-1015 Research talk (Emily Shroyer)

Project-based track

0845-1015 Lectures, tutorials, or meetings with advisors for **project-based** track

1015-1030 *Break*

1030-1200 *Introduction to ocean modeling/Estimating the Circulation and Climate of the Ocean*
- *ECCO* (Joseph Ansong/Dimitris Menemenlis)

1200-1300 *Lunch*

Overview track - Rotating labs

1300-1415 Biogeochemistry II: ODV Nutrient data analysis (Winn Johnson)

1415-1530 Satellite lab (Ebenezer Nyadjro)

1530-1645 Physics of fluids (Emily Shroyer/Stephan Howden)

Project-based track

1300-1645 Project working time (faculty who are not teaching basic labs, will be available to work with individuals or small groups).

Day 5 - Friday August 3, 2018

0800-0830 *Breakfast*

Overview track - Lectures

0845-0930 Coastal ecosystems II (Madeline Foster-Martinez)

0930-1015 Fisheries and aquaculture (Angela Lamptey)

Project-based track

0845-1015 Lectures, tutorials, or meetings with advisors for **project-based** track

1015-1030 *Break*

1030-1200 *Mineral geochemistry for precious and base metal exploration (Nikita La Cruz)*

1200-1300 *Lunch*

Overview track - Rotating labs

1300-1415 Data analysis (Emily Shroyer/Stephan Howden/Madeline Foster-Martinez)

1415-1530 Introduction to Python (Paige Martin)

1530-1645 Mineral geochemistry for precious and base metal exploration

(Nikita La Cruz)

Project-based track

1300-1645 Project working time (faculty who are not teaching basic labs, will be available to work with individuals or small groups).

Day 6 - Saturday August 4, 2018

0800-0830 *Breakfast*

0845-1030 *Project presentations*

1030-1045 *Break*

1045-1130 *Discussion on graduate school and career opportunities*

1130-1230 *Discussion/feedback session on next year's summer school*

1230-1330 *Lunch*

1330 *Closing ceremony, presentation of certificates, and school photo*