Learning outcomes

RUPP

Course name: Quantitative Research Methods

After successful completion of this course students are expected to be able to:

1. To recall tools used in quantitative research methods
2. To describe the process of analysis tools in quantitative research methods
3. To practice both descriptive and statistical analysis in the context of social science.

Course name:
Analog filter

After successful completion of this course students are expected to be able:

1. To describe (in your own words) the application of analog filters
2. To calculate the size of the components needed for noise reduction
3. To apply(?) low-pass and high-pass filters for radio application

Course name:
ecosystem

After successful completion of this course students are expected to be able :

1. To explain the interaction of organisms in ecosystems
2. To discuss the evolution theory
3. To justify conservation options in Cambodia

Course name:
power electronics

After successful completion of this course students are expected to be able:

1. To recognise the kinds of converter devices used in daily life
2. To compute the parameters of components needed in a converted
3. To explain the working principles of each type of converter

Course name:
Environmental pollution and public health

After successful completion of this course students are expected to be able:

1. To identify composition of domestic waste water
2. To explain health risks or diseases caused by waste water
3. To evaluate waste water treatment option that are appropriate for rural Cambodia

Course name:
Numerical methods

After successful completion of this course students are expected to be able:

1. To describe the main methods to solve non-linear equations
2. To use the methods to solve non-linear equations
3. To compare which methods give accurate results and which method use less time to find the solution

Course name:
Introduction to topology

After successful completion of this course students are expected to be able:

1. To explain the basic concepts of topology
2. To use concepts to solve problems in analysis and geometry
3. To relate the methods in the topology to analysis of geometry

Course name:
Drinking water quality treatment

After successful completion of this course students are expected to be able:

1. To list the possible sources of drinking water and its quality in Cambodia
2. To explain the current habit and practices of households towards drinking water handling and storage
3. Propose local household water treatment options according to water sources

Course name:
Derivative of functions

After successful completion of this course students are expected to be able:

1. To explain the basic concepts in derivatives
2. To use the basic concepts to solve practical problems in physics and engineering
3. To relate the tools of derivatives to problems in physics and engineering