DSS Course Announcement

By NBI Secretariat - https://elearn.nilebasin.org

22nd January 2018

Registration and Enrollment

Please register to this course by clicking on the address below and get your NBI-elearningCourses Account
http://elearn.nilebasin.org/register

Enroll in this course by clicking on the following address
http://elearn.nilebasin.org/courses/course-v1:NBI+DSS-05+2018_C1/about

Course duration

2nd October 2017 to 31st January 2018

Language

English is the language used in multi-media instructional materials, for communication between trainees and moderators and in discussions on the discussion platform.

Fee

The course is free of charge to persons admitted to the course. The course aims at strengthening capacity and deepening knowledge of national and transboundary water resources in the Nile Basin.

More information

For more information on the DSS course, please call the number +256 414 321 424
Or send an email to:
e-courses@nilebasin.org

Audience

The course is designed for Water Resources Experts, Hydrologists, Meteorology, Energy, GIS/Mapping experts, Environmentalists, Agriculturalist and Researchers.
Admission is open to anybody interested in the course but priority will be given to citizens of the Nile riparian countries with DSS licenses.

Objective

The DSS elearning course seeks to introduce you to the Nile Basin Decision Support System (NB DSS). The NB DSS is an analytical tool a common computer-based platform for communication, information management and analysis of water resources. It provides a framework for sharing knowledge, understanding river system behaviour, evaluating alternative development and management strategies, and supporting informed decision making.

Course Contents

The course consists of 11 modules. You are required take 1 module per week.

Module 1: DSS Installation
Module 2: DSS User Interface
Module 3: Database Manager Utility and System Manager

Module 4: Time Series Manager
Module 5: GIS Manager
Module 6: Scenario Manager
Module 7: Script Manager
Module 8: Spreadsheet Manager
Module 9: Indicator Manager
Module 10: Analysis Manager
Module 11: Model tutorial

Bonus
The course is classified into three levels; basic, intermediate and advanced;

Basic level (Modules 1 – 4): a 'Certificate of successful completion of DSS Basic level' is issued.

Intermediate level (Module 5 – 8 + Module 11): a 'Certificate of successful completion of DSS Intermediate level' is issued.

Professional level (Module 9 – 10): a 'Certificate of successful completion of DSS Professional level' is issued.

Prerequisites
Before taking this course, you are expected to have formal training or experience in at least one of the following areas; water resources management, hydrology, meteorology, energy, GIS/mapping, environment, agriculture or research. You are expected to have basic knowledge of water resources modelling using any GIS based model. In order to operate the Nile Basin DSS tool, you need to obtain a license from the Nile Basin secretariat.

Class size
The class size has no limit.

How you will learn
The course is online. You will need an internet connection to complete the course. Each module has lessons and each lesson has text and multi-media/video instructional materials

User manuals are accessible in the course or from the helpdesk and user community portal

You will use the discussion platform for group interaction. This facilitates communication between trainees and moderators.

You may directly use email to collaborate with moderators or fellow trainees.

All videos are downloadable. You may download and access these videos from your local drives for a better learning experience.

Practice will be by way of accessing the DSS application. Learning activities require that you install the DSS application, PostgreSQL and Mike Hydro in order to master the required skills. You will attempt knowledge check questions at the end of each lesson

Course requirement
The course requires that you exhibit a positive attitude and commitment. Teamwork is key to success. Engage the moderators at Nile-SEC in order to save time

Timing
You are required to spare at least 5 hours per week per module. The entire course is

estimated to take about 55 hours. The course is available for you for 12 weeks (3 months). In case you are committed you may complete the course in less weeks than planned

Credits
Credit points are a standard measure of work load (study hours) in university courses. At present (2018), the DSS Course is not linked to any regular university course. Therefore, it will not be possible to transfer credit points from this course to your university course.

Next course run
Please contact
e-courses@nilebasin.org

Computing skills and equipment are needed for the course
A computer connected to internet, and an up-to-date browser.

Participation
Yes, you can participate in the course upon enrolment. But you are encouraged to participate in the entire course.

Before you start
Request for a DSS license, Install the DSS application, PostgreSQL and Mike Hydro.

URL
https://elearn.nilebasin.org

Message from facilitators
You are welcome to this interesting DSS course. NBI concentrates on enhancing capacity for basin-wide communication, information sharing, and analysis to

serve national needs with the help of the DSS. We hope you will have a fruitful experience of the course.