Joint remote supervision online platform

CC WATER

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1   Introduction

Welcome to EduWater, an online learning platform designed to enhance your knowledge and skills in water quality and management. This platform is built on Moodle, a widely-used learning management system that provides a robust and flexible environment for online education. Whether you are a student, educator, or professional in the water industry, EduWater offers a range of courses and resources to support your learning journey.

Course Offerings: EduWater provides a diverse selection of courses tailored to various aspects of water quality and management, including:

- **Fundamentals of Water Quality**: An introductory course covering the basic principles of water quality, including physical, chemical, and biological parameters.

- **Advanced Water Treatment Technologies**: A detailed exploration of modern water treatment methods, including filtration, disinfection, and desalination.

- **Water Resource Management**: Strategies and practices for sustainable management of water resources, focusing on conservation, policy, and planning.

- **Laboratory Techniques in Water Analysis**: Practical training in laboratory methods for analyzing water samples, including microbiological and chemical testing.

- **Environmental Impact Assessment**: Understanding the environmental impacts of water projects and how to conduct thorough assessments.
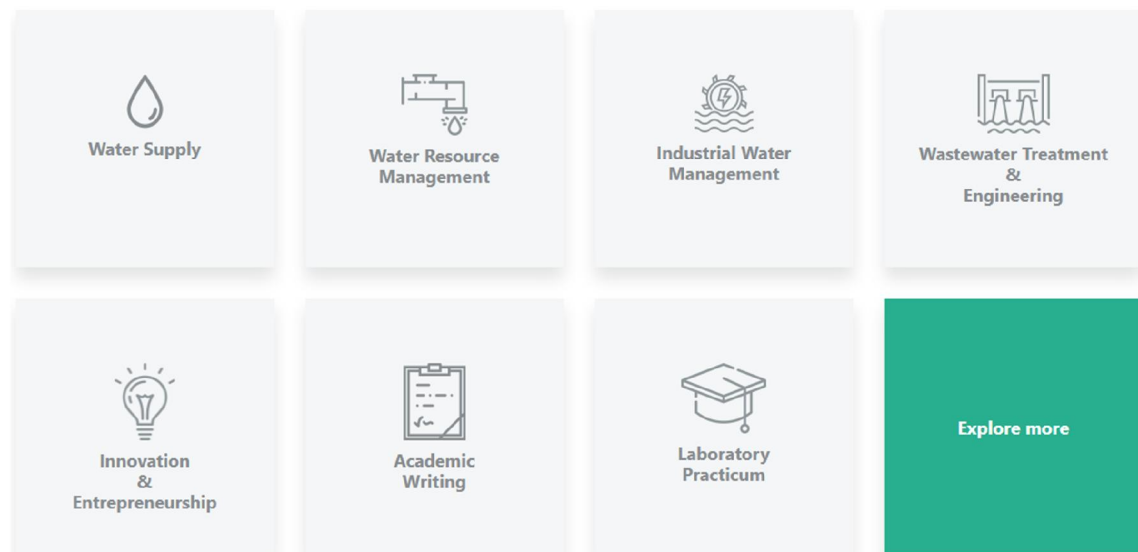

Figure 1: Highlighted Courses

Each course is designed to provide a comprehensive learning experience, combining theoretical

2 Methodology

EduWater employs a blended learning approach, combining theoretical lessons with practical laboratory exercises to ensure a comprehensive understanding of water quality management. The methodology is structured as follows:

2.1 Course Enrollment:

Users can browse available courses and enroll in those that match their interests and professional needs.

- Enrollment may require approval from the course administrator.

2.2 Course Structure:

- Each course is divided into modules, which include lectures, readings, and practical assignments.

- Modules are designed to be completed sequentially, building on knowledge from previous sections.

Course List

Search Course	Type Course Name or Course Tag
Country	Select Country
University	Select University

CC WATER	Integrated Water Resource Management under Climate Change	**Course content** This course contains **25 lessons** on Integrated Water Resource Management under Climate Change
CC WATER	Stormwater management with low-impact development and nonconventional water reuse	**Course content** This course contains **8 lessons** on Stormwater management with low-impact development and nonconventional water reuse
CC WATER	Big Data for integrated Climate Change & Water Management	**Course content** This course contains **6 lessons** on Big Data for integrated Climate Change & Water Management
DIGIWATER	Internet of Things	**Course content** This course contains **7 lessons** on Internet of Things and Cyber Security in IoT
DIGIWATER	Big data applications in the water sector	**Course content** This course contains **8 lessons** on Big data applications in the water sector

Figure 2: Course Structure

2.3 Learning Activities:

- **Lectures:** Delivered through video recordings, slides, and live sessions.

- **Readings:** Access to a variety of articles, research papers, and textbooks.

- **Assignments:** Practical tasks and projects to apply theoretical knowledge.

- **Quizzes:** Periodic assessments to test understanding and retention of material.

Section 2 - Climate Change Impacts on Water Resources

1 **Climate system**

- Components of earth climate system
- Solar radiation and atmospheric transmittance
- Earth's energy budget
- Atmospheric and oceanic circulations

Read it!

Climate system - Lecture

Apply It!

Climate system - Practical Assignment-5

Practical Assignment - Submission Tool

If you have files to submit, please upload them here

Climate system - Practical Assignment-6

Practical Assignment - Submission Tool

If you have files to submit, please upload them here

Figure 3: Learning Activities Example

2.4 Laboratory Practicum:

- Hands-on exercises conducted in a virtual lab environment.

- Standard methods for evaluating water quality indicators are demonstrated and practiced.

Laboratory practicum

The laboratory practicum course is developed to improve the effectiveness of laboratory knowledge and skills in the water field

2.5   Assessment and Feedback:

- Continuous assessment through quizzes, assignments, and participation in discussions.

- Detailed feedback provided by instructors to guide improvement and learning.

2.6   Certification:

- Upon successful completion of a course, participants receive a certificate of achievement.

- Certificates can be used to demonstrate proficiency and enhance professional credentials.

3   Accessing Course Materials

3.1   Login:

- Visit the EduWater website and log in using your username and password.

- If you don't have an account, you can create one by following the registration process.

Figure 5: Login Page

3.2   Dashboard:

- After logging in, you'll be directed to your personal dashboard.

- The dashboard provides an overview of your enrolled courses, upcoming deadlines, and recent activity.

3.3   Course Navigation:

- Click on the course title from your dashboard to enter the course page.

- The course page is organized into sections or modules, each containing specific materials and activities.

3.4   Accessing Materials:

- **Lectures**: Available as video recordings, slides, or live session links. Click on the lecture title to view or download the content.

3 Urban Stormwater Management

- Urban stormwater management
- Stormwater control index system
- Water sensitive urban design
- Measurements for urban stormwater management
- Conventional water reuse
- Sustainable urban dranage

Read It!

📄 Urban Stormwater Management - Lecture

Figure 6: Accessing Lectures

- **Readings**: Provided as downloadable PDFs or links to online resources. Access these by clicking on the reading titles.

- **Assignments**: Detailed instructions and submission links are available within the assignment section. Follow the guidelines to complete and submit your work.

- **Quizzes**: Accessible through the quiz section. Click on the quiz title to start the assessment.

5 Response to CC – CC Mitigation and adaptation

- Climate change risks
- Vulnerability to climate change
- CC Adaptation
- CC Mitigation

Read It!

📄 Response to CC – CC Mitigation and adaptation - Lecture

APPLY

4   Mentor Interaction:

- **Registration and Matching**: Learners and mentors register online and are matched based on their areas of interest and expertise.

- **Multi-Step Learning Activities**: Mentors create learning activity chains from standard content elements based on jointly developed curricula.

5   Essential Functions:

- **Integration with Collaborative Documents**: Supports tools like Office365 for document collaboration.

- **Recording Interaction History**: Tracks assignments, milestones, and requests to co-supervisors.

- **Moderation and Consensus**: Co-supervisors moderate and reach consensus before providing feedback to students.

- **Whiteboard**: Interactive whiteboard for collaborative work.

- **Scheduling and Calendar**: Manages deadlines, milestones, and meetings.

- **Content Recording Tools**: Integration with tools for recording content.

- **Audio/Video Feedback**: Provides audio and video feedback and advice.

- **Two-Way Communication**: Facilitates communication between mentors and students.

- **Auto generation of Activity Reports**: Automatically generates reports on activities.

- **Notifications and Reminders**: Sends email notifications and reminders.

- **Various Communication Channels**: Includes integration with instant messengers for diverse communication options.

6   FAQs

How do I create an account on EduWater?

Answer: To create an account, visit the EduWater homepage and click on the "Sign Up" button. Fill in the required information, such as your name, email address, and password. You will receive a confirmation email to verify your account. Follow the instructions in the email to complete your registration.

What are the system requirements to use EduWater?

Answer: EduWater is accessible on most modern web browsers, including Chrome, Firefox, Safari, and

How do I access my course materials?

Answer: Once enrolled in a course, go to your dashboard and click on the course title. The course page will display all the modules, lectures, readings, and assignments. Click on the relevant links to access the materials.

What should I do if I forget my password?

Answer: Click on the "Forgot Password" link on the login page. Enter your registered email address, and you will receive instructions on how to reset your password.

How can I communicate with my instructor?

Answer: You can communicate with your instructor through the platform's messaging system, discussion forums, or email. Check the course syllabus for the instructor's contact information and office hours.

How do I submit assignments?

Answer: Assignments can be submitted through the course page. Navigate to the assignment section, follow the submission instructions, and upload your completed work. Ensure you submit before the deadline.

How do I participate in discussion forums?

Answer: Go to the discussion forum section of your course. Select a discussion topic and click on it to view the conversation. To participate, click on the "Reply" button, type your message, and submit it.

What types of learning activities are available on EduWater?

Answer: EduWater offers three types of learning activities: eLearning (fully online courses), Research (reading from the knowledge base with reflective summary feedback), and Experiential (hands-on tasks with online questions or reflective summary feedback).

How do I receive feedback on my assignments?

Answer: Instructors provide feedback on submitted assignments through the platform. You can view the feedback by navigating to the assignment submission page and clicking on the feedback link.

Can I access EduWater on my mobile device?

Answer: Yes, EduWater is accessible on mobile devices through web browsers. Additionally, you can download the mobile app for a more optimized experience. The app is available for both iOS and Android devices.

How do I contact technical support?

Answer: Learners and mentors are matched based on their areas of interest and expertise. During registration, you will be asked to specify your interests, which will be used to find the best match for you.

What is the process for creating multi-step learning activities?

Answer: Mentors can create multi-step learning activities by combining standard content elements into a sequence. This is done through the course creation tools available on the platform. Detailed instructions are provided in the mentor's guide.

7   Conclusion

Thank you for choosing EduWater as your platform for collaborative mentoring and joint supervision. We are committed to providing a supportive and enriching learning environment that fosters growth and development. By leveraging the diverse learning activities and interactive tools available on Edu-Water, you can enhance your knowledge and skills in water quality and management.

Remember, our support team is always here to help you with any questions or issues you may encounter. We encourage you to actively participate in discussions, seek feedback from your mentors, and make the most of the resources available to you.

We wish you success in your learning journey and look forward to seeing you achieve your academic and professional goals with EduWater.