

Course Name	Code\No.	Number of Credits			
		Theo.	Lab.	Train.	Credit
Hydrological Studies and Technical Reports	HWR 404	2	-	-	2
Pre-Requests		-			

Course Objectives:

This course aims to introduce students to technical reports in the field of hydrology..

Course Contents:

- Principles of scientific writing: accuracy - consistency - chronology - etc.
- Elements of scientific writing: title – Abstract - Introduction - Literary review of previous studies - Scientific methods used - Presentation of results and graphics - Tables – Maps- discussions- conclusions- recommendations- acknowledgement-funding agencies.
- Writing references.
- The student performs scientific writing by defining a specific subject that the subject teacher gives him and investigates the foundations mentioned in the content.

Course outcomes:

Upon completion of the course, the student is expected to acquire the following knowledge and experience:

- The ability to write integrated scientific content on a topic and is subject to it in the form of a report.
- Presentation of the scientific material.
- Analysis of the scientific material.

Evaluation Method:

The evaluation is carried out by making a technical report in the field of specialization in addition to some assignments by the course teacher and discussion of the students in the class.

References:

Heather Silyn-Roberts, Silyn-Roberts (2002). Writing for Science and Engineering: Papers, Presentations and Reports. ISBN: 0750646365 Publisher: Butterworth-Heinemann Pub. Date: December 2002

- **Adrien, Nicolas G. (2000).** Computational hydraulics and hydrology: an illustrated dictionary. Includes bibliographical references. ISBN 0-8493-1890-4 Hydraulics—Mathematical models—Dictionaries. 2. Hydraulics—Data processing—Dictionaries. 3. Hydrology—Mathematical models—Dictionaries. 4. Hydrology—Data processing—Dictionaries.
- **United Nations Educational, Scientific and Cultural Organization (2012).** International Glossary of Hydrology. (ISBN 978-92-3-001154-3).
- **Larry W. Mays (2011)** Ground and Surface Water Hydrology
- **Andy D. Ward and Stanley W. Trimble (2003)** Environmental Hydrology, Second Edition
- **Chow, V.T., Maidment, D.R. and May, L.W. (1988)** Applied hydrology, McGraw Hill Book Company.
- **C.W. Fetter Jr. (2000)** Applied Hydrogeology (4th Edition)