CODE :**ECO 1**	COURSE TITLE: **FRESHWATER ECOLOGY**	ECTS: **5**

COORDINATOR: **KRZYSZTOF SZOSZKIEWICZ**	DEPARTMENT: **ECOLOGY AND ENVIRONMENTAL PROTECTION**

COURSE CATEGORY

VOLUME: **60** (H)			PERSONAL WORK **60 (H)**	
LECTURE: **30** (H)	PRACTICALS / LAB : **30 (**H)	PLACEMENT: (H)	PROJECT: (H)	OTHER MODALITIES: (H)

EVALUATION:	OTHER MODALITIES:	LECTURER(S)

EVALUATION MODALITIES			
ORAL INDIVIDUAL REPORT			**KRZYSZTOF SZOSZKIEWICZ** **RYSZARD STANISZEWSKI**
WRITTEN INDIVIDUAL REPORT	**X**		
FINAL ORAL EXAM			
FINAL WRITTEN EXAM	**X**		

COMMENTS OF EVALUATION	TEACHING METHODS: LECTURES, PRACTICALS, TUTORIALS,
SEMESTER: **SUMMER**	LANGUAGE: **ENGLISH**
PERIOD: **15 WEEKS**	YEAR OF STUDY: **FIRST**

OBJECTIVES

- Background for studying aquatic environment
- Understanding ecological interaction of freshwaters
- Major aquatic processes

CONTENTS

- Types of aquatic ecosystems.
- Physical factors in freshwaters (light, temperature, mixing).
- Freshwater chemistry – pH, gases, nutrients, salts. Ecological classification of aquatic ecosystems.
- Aquatic organisms – taxonomical system and ecological groups of organisms.
- Abiotic and biological interaction in aquatic systems.
- Degradation processes (eutrophication, toxic substances, acidification, salinity, morphology).
- Restoration of freshwater ecosystems – ecological principles.
- - Water Framework Directive. Biological monitoring according to WFD

GROUP SIZE: **8**	PRE-REQUISES: