Course ti	tle: Majo	or Project in Water So	cience and Gov	ernance						
	Course code: WSW 108		No. of credits: 16		L-T-P: 0-0-32 Lear		earning h	rning hours: 512		
Pre-requisite course code and title (if any): NA										
Department: Coca-Cola Department of Regional Water Studies   Course Coordinator: Project/ Placement Course Instructor: Assigned supervisor(s)										
coordinat		tor: Floject/ Flacellie	-111	Course	Instructor: P	Assigned st	upervisor(	5)		
		mail of assigned supe	ervisors							
Course ty	vne: Core			Course	offered in: Se	emester 4				
•	-			course						
<b>Course description</b> The course offers a research driven learning approach, guided by realistic and challenging problems in water sector. The course includes industry training/consultancy/in house research on any water- relevant problem through supervised self-learning approach. Based on need of contemporary areas of water sector in detail, including groundwater management, water pollution, wetlands, wastewater and sewage treatment, innovations in agriculture, water reuse, water efficiency, water audit & management, watershed practices, river basin management and policy, guidelines & regulations, the students shall work on specific thematic areas, analyze data using basic statistics, assessing potential of improvement in existing solutions or similar tasks assigned by the supervisor. The students shall implement their classroom learnings and specialization, test hypothesis through literature review, experiments, or field survey, analyze and report the results/findings. It would prepare students to take up water resource management projects in future with a clear understanding of linkage of water to sustainable development.										
Course o	bjective									
	To work on ideas that are aligned with the government programmes on water management.									
	train students to use analytical skills and knowledge for addressing problems/challenges in nemporary areas of water sector including wastewater and sewage treatment, innovations in									
agric	ulture, w	ater reuse, water effic								
-	ations	ls and training releva	unt to the specif	ic fields (	s mentioned a	bove				
	-	students to execute re	-				gies and n	nethodo	ology	
		the problem and dem								
	evelop jo onment.	b-oriented specializat	tion significant	for transi	tioning from a	academic n	nilieu to a	work		
Chivin	onnient.									
Course co									_	
Module	Торіс						L	Т	Р	
	•	Broad problem ider	ntification on th	ematic ar	ea in consultat	ion with th	ne O	0	64	
1		host industry/organ	ization							
	•	Define overall aims	-		ant research qu	uestions an	nd			
		research objectives	to be addressed	d						
							0	0	64	
	•	Define methodolog	y to be followe	d and ide	ntify materials	s/tools to b				
		used for achieving	-							
2	•	Systematic review	of literature, ir	nternal or	external repo	rts etc.				
		relevant on the spec	cific problem a	nd create	benchmark					
								0	204	
	•	Identifying parame variables) to carr			-			0	384	
		depending on object	-	on analys	sis or scenar	to analys	18			
3	•	Data collection/ mo		irvev/exp	erimental or ot	her releva	nt			
		work depending on	-	,Р						
	•	Analysis and interp	-	findings/r	esults/data					
	•	Developing overall			ferences and f	findings an	nd			
		enlisting the limitat	ions of the wor	·k.						
	• Total						0	0	512	
							-	-		

### **Evaluation criteria**

- Dissertation (40%)
- Presentation and viva (30%)
- Timeline adherence (10%) [Consisting of: joining report (1%), synopsis and topic (1%), progress report (0.5% each), feedback form (1%), final dissertation (5%)]
- Feedback from the Host Organization/Supervisor (20%)
- If plagiarism is detected using plagiarism checking software (e.g. Turnitin), it will be referred to the Major Project Committee (comprising of supervisors and faculty members), which would take a decision and penalty to be imposed/disciplinary action to be taken. The guidelines for the Major Project Committee are as follows:

<b>Levels of</b> <b>Plagiarism</b> Level 3	Percentage of similarity > 60%	Maximum percentage marks to be deducted from dissertation/thesis Student's registration to the program
Level 2	$>40\% \leq 60\%$	stands cancelled Student repeats the course next year
Level 1	$> 10\% \le 40\%$	The student is required to resubmit the report within a week
Level 0	$\leq 10\%$	0%

• The students scoring less than or equal to 50% (or  $\leq$  50%) overall marks in the evaluation would be considered to have failed in this course. Grading of the Major Project will be absolute in nature and would be done as per the following criteria:

>90	A+
>80≤90	Α
>70≤80	B+
>60≤70	В
>50≤60	C+
>45≤50	С
>40≤45	D
<40	F

# Learning outcomes

- Student develops an understanding of real time problems/challenges in water resources governance and management projects and their alignment with the government programmes.
- Student learns to apply research methods and different statistical tools in real-time research projects.
- Student learns and applies relevant scientific methods and techniques (statistical, numerical and/or geospatial) in problem-solving.

Student is trained to effectively communicate and demonstrate the learning through structured thesis/dissertation and oral presentation.

# Pedagogical approach

Self-learning; discussion with the supervisors; interaction with experts; field work; laboratory work, etc.

# Materials

Peer-reviewed journal articles

Reputed conference proceedings

Reports related to the specific project

Learning materials provided by the host organization

# Additional information (if any)

A detailed guideline along with important dates and format will be notified by the department, in advance, with other relevant details.

If there is any change in evaluation criteria/policy, it will be updated in the guideline every year.

Dissertation submission and schedule of presentation will be coordinated by Project/Programme coordinators. **Student responsibilities** 

Attendance; Discipline; Research Ethics etc.

**Course Reviewer: MPEC**