	EV7136 Module Specification				
Module Title:	Module Code: EV7136	Module Leader:			
Restoration Ecology	Level: 7	Jane Fisher			
	Credit: 15	Alexandra Hamer			
	ECTS credit: 7.5				
Pre-requisite: none	Pre-cursor: none				
Co-requisite: none	Excluded combinations: none	Suitable for incoming study abroad? N			
Location of delivery: CAT and	l online – blended delivery				
	Summary of module for applican	ts:			
In this module students will study biogeochemical cycling, as a sin investigate methods of restoration setting of restoration goals and t analyse the theoretical science a invasive species control, the value wellbeing in habitat restoration a	y the role of ecosystems in sustainal k for carbon and for providing other on of habitats, including at landscape he assessing the success of restora and practical implications of species ue of policy, community involvement nd management.	bility with a focus on their role in ecosystem functions. Students will and global scales, examine the tion projects. The module will also reintroductions, rewilding and and public support, health and			
	Main topics of study:				
Ecosystem change over time	and space, biodiversity and connect	redness.			
The science behind concepts s and physical habitat manager	such as rewilding, reintroductionand nent approaches.	management of invasive species,			
Restoration of natural, semi-n	atural and peri-urban spaces.				
The role of communities, imp national and international legis	act of restoration on communities a slation.	and economies, and the impact of			
This module will be able to de	monstrate at least one of the follo	wing examples/ exposures			
Live, applied project ⊠ Company/engagement visits □ Company/industry sector ende	∃ orsement/badging/sponsorship/av	ward 🗆			
Learning Outcomes for the mo	odule				
Where a LO meets one of the to the to the competence.	UEL core competencies, please p	ut a code next to the LO that links			
<ul> <li>Digital Proficiency - Cool</li> <li>Industry Connections -</li> </ul>	de = (DP) Code = (IC)				
Social & Emotional Intelligence - Code = (SEI)					
Physical Intelligence - C     Cultural Intelligence - C	Code = (PI) Code = (CI)				
<ul> <li>Community Connections &amp; UEL Give Back - Code = (CC)</li> </ul>					
Cognitive Intelligence –	Code = (COI)				
Enterprise and Entrepre	eneurship (EE)				
At the end of this module, studer	nts will be able to:				
Knowledge					
1 Have the knowledge debate restorationgo natural and peri-urba	e to critically evaluate methods for a pals at local, national and internation an environments. (COI)	restoring ecological functions and onal scales and in natural, semi			

Thinking skills

2 Undertake complex analyses of the theory, practical implications and complexities around habitats. (COI, IC, DP, CI)

Subject-based practical skills

3 Propose and evaluate a habitat or ecosystem scale restoration projects, taking into account conservation biology targets as well as social, political and economic implications to critically evaluate its success. (COI, IC, DP)

Skills for life and work (general skills)

4 Effectively communicate (written) to a wider audience (DP) (COI).

## Teaching/ learning methods/strategies used to enable the achievement of learning outcomes: For students studying onsite and by distance learning:

The factual content of the module is taught through lectures, seminars, practical workshops, presentations, demonstrations and tutorials, and throughout this process an active exchange of views and opinions is encouraged. Students have access to MS Teams where they can access recorded and written support material, meet with their peers and a tutor to discuss any academic issue. Both theoretical and practical aspects are covered both onsite and through interactive sessions on Teams.

There is a formative learning element to the module to allow the students to receive critical feedback on their work without the pressure of marked assessment.

For distance learning (DL) students, learning will be supported through streamed and recorded Internetbased lectures (of the onsite lectures), situation related practical exercises, seminars and tutorials.

Lectures onsite and through MS Teams highlight key concepts, models and frameworks, and integrate additional resources (such as journal articles). They encourage deep learning through the use of self-assessment questions which encourage students to engage with the topic, to help students understand new topics and skills.

Assessment methods which enable students to demonstrate the learning outcomes for the module:	Weighting:	Learning Outcomes demonstrated:
Management report (3,000 words max)	100%	1,2, 3, 4

Reading and resources for the module:

These must be up to date and presented in correct Harvard format unless a Professional Body specifically requires a different format Core

## Recommended

Corlett, R.T., (2016). Restoration, reintroduction, and rewilding in a changing world. *Trends in ecology & evolution*, *31*(6), pp.453-462.

Isbell, F., Craven, D., Connolly, J., Loreau, M., Schmid, B., Beierkuhnlein, C., Bezemer, T.M., Bonin, C., Bruelheide, H., De Luca, E. and Ebeling, A., (2015). Biodiversity increases the resistance of ecosystem productivity to climate extremes. *Nature*, *526*(7574), p.574.

Leitao, R.P., Zuanon, J., Villéger, S., Williams, S.E., Baraloto, C., Fortunel, C., Mendonça, F.P. and Mouillot, D., (2016). Rare species contribute disproportionately to the functional structure of species assemblages. *Proc. R. Soc. B*, 283(1828), p.20160084.

Miller, J.R. and Hobbs, R.J., (2007). Habitat restoration—Do we know what we're doing? *Restoration Ecology*, *15*(3), pp.382-390.

Perring, M.P., Standish, R.J., Price, J.N., Craig, M.D., Erickson, T.E., Ruthrof, K.X., Whiteley, A.S., Valentine, L.E. and Hobbs, R.J. (2015) Advances in restoration ecology: rising to the challenges of the coming decades. *Ecosphere*, *6*(8), pp.1-25.

POST (2016) Rewilding and Ecosystem Services, report http://researchbriefings.files.parliament.uk/documents/POST-PN-0537/POST-PN-0537.pdf

Provide evidence of how this module will be able to demonstrate at least one of the following examples/ exposures

*Live, applied project.* Visit (live or virtual) to an ongoing restoration project

Company/engagement visits

Company/industry sector endorsement/badging/sponsorship/award

Indicative learning and teaching time (10 hrs per credit):	Activity
1. Student/tutor interaction: 30 hours	Lectures, seminars, practical classes and workshops, external visits (live or virtual)
2. Student learning time: 120 hours	Seminar reading and preparation/assignment preparation/ background reading/ on-line activities,
Total hours (1 and 2): 150 hours	

## For office use only. (Not required for Programme Handbook)

Assessment Pattern for Unistats KIS (Key Information Sets)	Weighting:
Coursework (written assignment, dissertation, portfolio, project output)	
Practical Exam (oral assessment, presentation, practical skills assessment)	
Written Exam	

HECoS Code:	
UEL Department:	