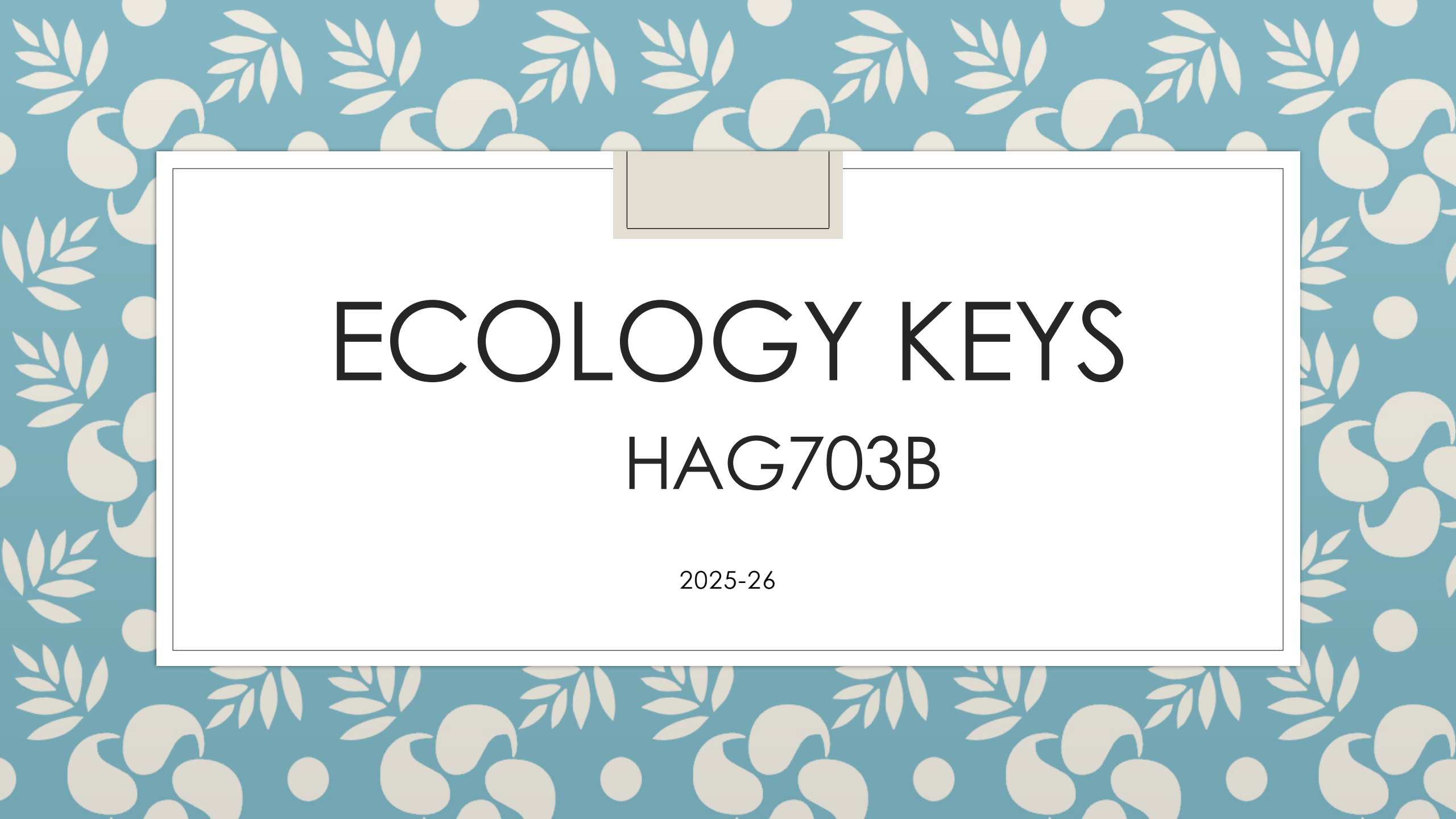




ECOLOGY KEYS

HAG703B

2025-26

The teachers

- **Anne CHARPENTIER** anne.charpentier@umontpellier.fr (general ecology)
 - Lecturer in ecology at CEFE ; in charge of this course
- **Jeanne CHAUPITRE** jeanne.chaupitre@umontpellier.fr (general ecology)
 - PhD student at CEFE
- **Nolwenn LE GUYADER** nolwenn.le-guyader@umontpellier.fr (marine ecology)
 - PhD student at CEFE
- **Mountassira MATIN** mountassira.matin@umontpellier.fr (epidemiology & parasitology)
 - PhD student at ISEM
- **Mihra TAVADIA** mihra-porus.tavadia@umontpellier.fr (epidemiology & parasitology)
 - PhD student at IRD

None of us are an English teachers, none of us are Native English speakers.

We just like to talk in English

The students

- Master 1 Environmental Management GE (futur Aquadura, IEGB, BiodivCom, RAINET') (42 students)
- Master 1 Eco-epi & Eco-epied (29 students 30?)

Total ~ 71 students divided into 5 **groups** of practical work (TP):

- **Mountassira MATIN** : students interested in epidemiology & parasitology (Eco-epi & Eco-epied)
- **Mihra TAVADIA** : students interested in epidemiology & parasitology (Eco-epi & Eco-epied)
- **Nolwenn LE GUYADER** : students interested in [marine ecosystems](#) (Aquadura plus IEGB and RAINET)
- **Jeanne CHAUPITRE** : students interested in ecology & conservation (IEGB & Rainet)
- **Anne CHARPENTIER** : students interested in ecology & conservation (IEGB & Rainet)

Course on moodle **HAG703B Ecology** **keys**

You **must** register before **the first of October**
All the information is on moodle

The timetable

Teachers :	Anne Charpentier	Jeanne CHAUPITRE	Nolwenn LE GUYADER	Mountassira MATIN	Mihra TAVADIA
topics :	ecology & conservation	ecology & conservation	Marine ecosystems	Eco-Epi	Eco-Epi
October 2 : 15h-18h15	room 35.1.14	room 35.1.15	room 35.1.16	room 35.1.17	room 35.1.18
October 9 : 15h-18h15	room 35.1.14	room 35.1.15	room 35.1.16	room 35.1.17	room 35.1.18
November 6 : 15h-18h15	room 35.1.14	room 35.1.15	room 35.1.16	room 35.1.17	room 35.1.18
November 13 : 13h15-16h30	room 35.1.14	room 35.1.15	room 35.1.16	room 35.1.17	room 35.1.18

All the practical works (TP) will take place in **building 35**

Course description

- Initial assessment:
 - You've had English lessons for years now !
 - What you need now is to **pratice** your english!
- The focus of the course : on **spoken english** , and give you the opportunity to **talk about topics you are interested in**
- The objectives of the course are :
 - to help you
 - improve your **oral comprehension** in English
 - improve your **oral expression** in English
 - enrich your **vocabulary in the field of ecology or epidemiology** : both scientific aspects and societal issues (e.g. biodiversity conservation, health issue, sustainable production etc..)
 - To have a good time !

Course structure

You will discuss 6 topics :

October 2 (3h)	1h30 : topic 1	a group of 2 (or 3) students in charge of the topic
	1h30 : topic 2	a group of 2 (or 3) students in charge of the topic
October 9 (3h)	1h30 : topic 3	a group of (2 or 3) students in charge of the topic
	1h30 : topic 4	a group of (2 or 3) students in charge of the topic
November 6 (3h)	1h30 : topic 5	a group of (2 or 3) students in charge of the topic
	1h30 : topic 6	a group of (2 or 3) students in charge of the topic
November 13 (3h)	1h30 : questionnaire on the vocabulary learned during the 6 topics	
	1h30 : games organized by the teacher	

Each topic is illustrated with **one video** (or few small videos)

For each topic (duration of 1h30) :

- **15 minutes max: Presentation** (ppt) of the video by the group of 2 (or 3) students in charge of the topic
- **15 minutes : Projection of the video** - questions
- **1 hour: The group of students in charge of the topic organize an activity** for the other students of the class to practice the vocabulary of the video (e.g. all kinds of games, role-playing, quizzes, etc. be creative!)

What you have to do now

- Register on the Google sheet to choose the topic you will be working on.
- Register on moodle HAG703B Ecology keys –registration closed the first of october
- Watch the video(s) of your topic and read the video script (the transcript)
- 1. Prepare a ppt presentation (15 minutes max) that will help your class understand the video
- 2. Prepare an activity (duration: one hour) that will enable your class to practise the vocabulary in the video
- After your presentation: send your ppt in pdf format to your teacher, who will publish it on moodle

1. Prepare a ppt presentation

Group work (2-3 students) : Oral presentation of 15 minutes max, using a ppt

Purpose of the presentation: To help other students understand the video

The presentation will be given **BEFORE** watching the video

The presentation must contain 3 things :

- General information on the video, the context, the topic etc...
- Explanation of the main concepts
- Key words: Definition , pronunciation

To help you to prepare your presentation: the transcript (=text) of the video is in moodle
In some cases you will have to present not one video but several small ones

2. Prepare an activity on the topic of the video

- The group of students prepares and leads an activity for the other students of their class to practice the vocabulary of the video **after** watching the video
- **Objectives of the activity** : To have all the students of the class :
 - Speak english
 - Use the vocabulary used in the video
 - Have fun
- **Duration of the activity**: 1 hour
- **Type of activity** : all kinds of games, role-playing, quizzes, etc.... **be creative !**

Course participation

Attendance in class is compulsory => You must attend all classes (= the 4 days)

- **Any absence must be justified in writing** : you must send an attestation (e.g. medical certificate) to your teacher by email.
- Unjustified absences will be penalized (=> bad grade)
- You must speak in English
 - **Speaking French is strictly forbidden**
 - If you speak in French => bad grade

Course evaluation

3 grades :

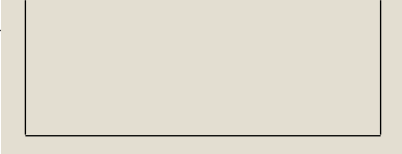
- **1/3 : One grade: your oral presentation** of a video and **organisation of an activity** on the topic of the video
- **1/3 : One grade: your general oral participation** during all the other class (participation, not English level)
- **1/3 : One grade: your score on the questionnaire** that will focus on the 6 topics (mainly vocabulary) (TP4 – November 13)

Your final grade for the course : the average of the 3 grades

In short: What you have to do :

- prepare one ppt presentation of a video and one activity based on that video for the students of your class
- Attend and participate **in English only** to all the classes
- Revise the vocabulary of the 6 topics to prepare for the questionnaire (November 13)

Example of ppt presentation of a video



ANIMALS OF THE ABC ISLANDS

Video BBC earth – duration: 3:43
<https://www.youtube.com/watch?v=QD31KWaBGXU>

Who made the video ?

- BBC earth : documentary channel dedicated to natural history content



Geographical context

- Where are the ABC Islands?
 - In the Caribbean Sea
 - In front of Venezuela
- ABC islands = 3 small islands: Aruba, Bonaire, and Curaçao,
- Dutch: Territories of the Kingdom of the Netherlands,



Three main concepts/topics

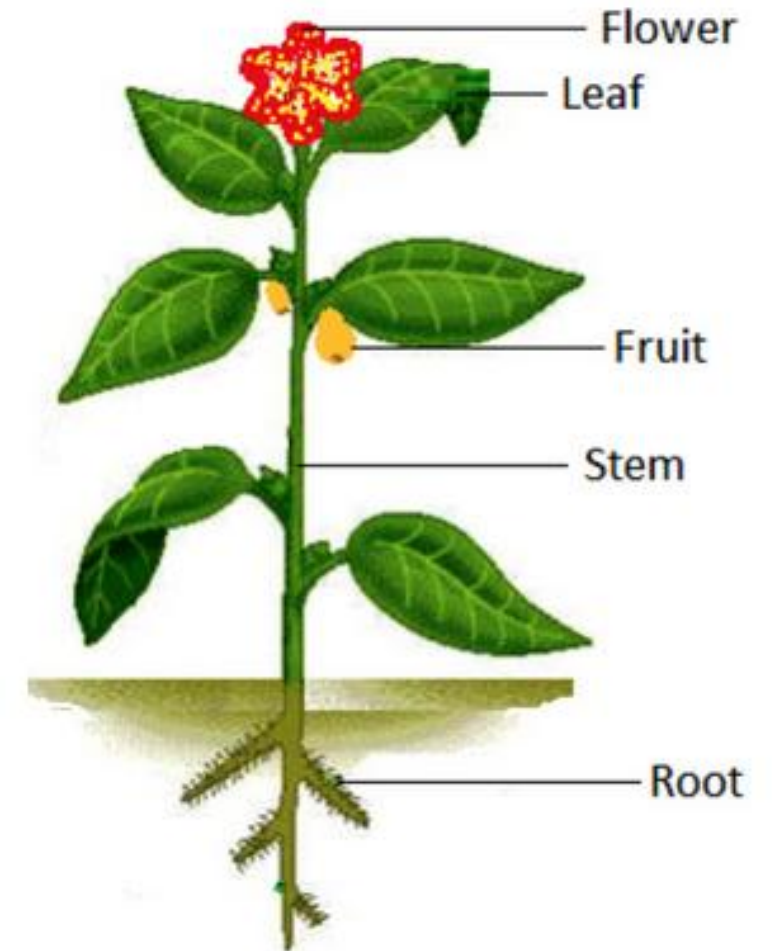
- 1. In Ecology : Ecosystem
- 2. In Evolutionary ecology : Environmental Adaptation
- 3. Human activities in ecosystems: Human exploitation of natural resources

1. Ecosystem

- An ecosystem is a **physically defined environment**, made up of two components:
 - The biotope : physical characteristics
 - The living organisms (animals, plants micro-organisms)
- Example of ecosystem in ABC islands: the **desert**
 - very little rain
 - strong dry winds

2. Environmental Adaptations

- Adaptation of species to environmental constraints
- Example: lack of water in desert
 - Plant adaptations :
 - E.g Store water in the stems
 - Animal adaptation:
 - Eat fruits that are rich in water



3. Human exploitation of natural resources

- salt pans
 - natural formations found in deserts
 - form by evaporation of a water pool such as a lake or pond
 - made of salt crystals
- Example of human exploitation in Bonaire island:
 - Mining the salt



The world's largest salt flat. Salar de Uyuni in Bolivia.

Difficult vocabulary :English name of some plants and animals

The plural of cactus is **cacti** or cactuses



Candelabra
cactus
(Candle shaped)



Turk's head cactus
(looks like a *turban*)



green iguana



blue whip-tail lizard



The orioles of the
Americas

mockingbird



able to mimic the calls of
dozens of other bird species
even dogs and sirens !



yellow shouldered parrot



common ground dove



Dividivi

Pronunciation tips:



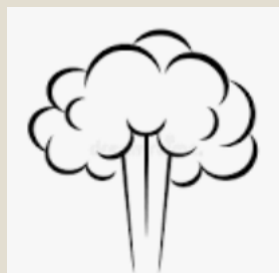
[ai]
mining



Stem



Steam



Desert



Dess**ert**



Time to watch the video !

- <https://www.youtube.com/watch?v=QD31KWaBGXU>