

## Advanced Macroeconomics

Course title - Intitulé du cours	Advanced Macroeconomics
Level / Semester - Niveau /semestre	M1 / S2
School - Composante	Ecole d'Economie de Toulouse
Teacher - Enseignant responsable	ULBRICHT ROBERT
Other teacher(s) - Autre(s) enseignant(s)	
Other teacher(s) - Autre(s) enseignant(s)	
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Other teacher(s) - Autre(s) enseignant(s)	
Lecture Hours - Volume Horaire CM	30
TA Hours - Volume horaire TD	
TP Hours - Volume horaire TP	0
Course Language - Langue du cours	Anglais
TA and/or TP Language - Langue des TD et/ou TP	

### **Teaching staff contacts - Coordonnées de l'équipe pédagogique :**

Email : [robert.ulbricht@tse-fr.eu](mailto:robert.ulbricht@tse-fr.eu) . Office : MF 507. Preferred means of interaction : After class + via the public forum on the Moodle course site.

### **Course's Objectives - Objectifs du cours :**

The course is an introduction to modern economic growth theory. It aims to provide students with a critical understanding of the workhorse models used to study economic progress post-industrialization, as well as their successes and failures in explaining key empirical regularities. Topics include the Solow growth model with applications to growth accounting, the Neoclassical growth model (with a primer on dynamic optimization in continuous time), and endogenous growth models (growth through expanding varieties, Schumpeterian growth, technology diffusion). Time permitting, we will also briefly talk about economic development, referring to the process of industrialization itself, or the process of less-developed countries catching up with advanced economies.

### **Prerequisites - Pré requis :**

Master course in Macroeconomics (first semester).

### **Practical information about the sessions - Modalités pratiques de gestion du cours :**

Course attendance is highly recommended. Personal laptops / tablets are permitted for taking notes only.

### **Grading system - Modalités d'évaluation :**

Evaluation consists of 4 take home problem sets (20%), a midterm (30%), and a final exam (50%).

### **Bibliography/references - Bibliographie/références :**

Slides will be provided on the Moodle platform. The main reference is :

Acemoglu (2009) : Introduction to Modern Economic Growth, Princeton University Press.

You may also find it useful to consult the following reference, which provides an excellent non-technical introduction to the ideas covered in this course :

Weil (2016) : Economic Growth, 3rd ed., Routledge, 2016.

### **Session planning - Planification des séances :**

1. The Solow growth model + variations
2. Neoclassical growth
3. Endogenous technology change
4. Development (time permitting)