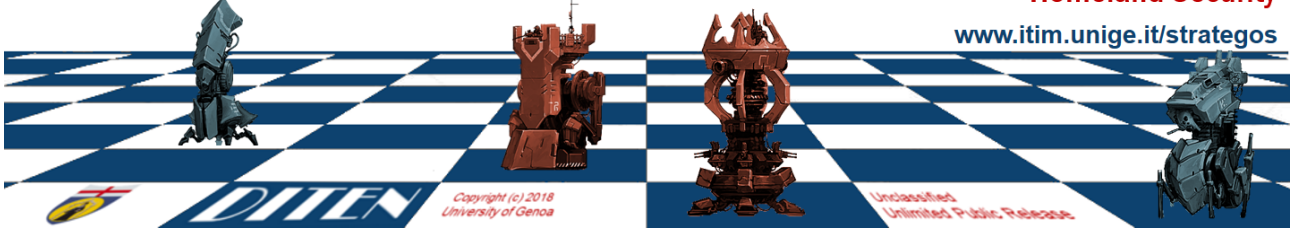


# STRATEGOS

Engineering Technologies for Strategy in  
Defense, Industry, Government &  
Homeland Security

[www.itim.unige.it/strategos](http://www.itim.unige.it/strategos)



## STRATEGOS

*Master of Science on Modelling, Engineering and Strategies on Operations and Systems*

**Course: Comparative Political Economy of Development**

88484

ECON-01/A

**Credits: 4**

**Hours: 40**

**Schedule: 1<sup>st</sup> Semester, School of Engineering of Genoa University**

**Friday 1100-1230, DIME MIG Classroom, via Opera Pia 15, 16145 Genova**

**Friday 1430-1600, B4 Classroom, via Opera Pia 15a, 16145 Genova**

### **Teachers, Email & References:**

**Prof. Andrea Vindigni, [andrea.vindigni@unige.it](mailto:andrea.vindigni@unige.it)**

**[www.simulationteam.com/strategos/program](http://www.simulationteam.com/strategos/program)**

*Office in Albergo dei Poveri, Int.Affair Department (DISPI), Piazzale Emanuele Brignole, 3A, 16124 Genova, Italy*

### **Education Objectives:**

The course provides an introduction, in comparative perspective, and at a relatively advanced level, to the modern theory of economic growth and development. We will mainly pay attention to formal models, but also look at the main facts of growth.

### **Course Program & Elements:**

*The Course addresses the Comparative Political Economy of Development and refers extensively to the textbook "**Introduction to Economic Growth**" by C.I. Jones & D.Vollrath (see on the References hereafter).*

The Topics are synthetized in the following:

1. **Facts of growth (JV, CH. 1)**
2. **Solow model (JV, CH. 2)**
3. **Empirics of the Solow model (JV, CH. 3)**
4. **Economics of ideas (JV, CH. 4)**
5. **The Romer model (JV, CH. 5)**
6. **Creative destruction (JV, CH. 6)**
7. **Growth and development (JV, CH. 7)**
8. **Social infrastructure (JV, CH. 8)**
9. **Alternative theories of endogenous growth (JV, CH. 11)**
10. **Understanding growth, inequality and their politics (JV, CH. 13)**

We will additionally refer also to:

***Mathematical Review (Appendix A)***

***Additional Model Results (Appendix B)***

***Teaching Approach:***

Frontal Lectures

***Evaluation and Final Exam:***

To be agreed with the Teacher, basic exam will be based on written exam.

***Time Zone:***

Genoa Local Time

***Prerequisites:***

The Course does not require specific prerequisites, being accessible to University Students. Therefore basic calculus (mathematical analysis), including MOST elementary differential equations, is ASSUMED and will not be reviewed. Similarly, a basic understanding of statistics is assumed.

## References

### **MAIN TEXTBOOK**

There is one essential reference, which all students are invited kindly to buy:

#### ***"Introduction to Economic Growth"***

by Charles I. Jones and Dietrich Vollrath (henceforth, JV),

Introduction to Economic Growth - Dietrich Vollrath ([growthecon.com](http://growthecon.com))

WW NORTON, Fourth Edition

**More references (books, papers) will be provided as the course proceeds.**

The web page of Daron Acemoglu's Economic Growth course (2023) at MIT is also useful, especially the first slides of the course:

[Economic Growth Lecture 1 2023.pdf \(mit.edu\)](#)