

FACULTY OF **ECONOMICS**

DEGREE COURSE: **BUSINESS AND ECONOMICS BA**

SUBJECT: COMPLEX ECONOMICS

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OBJECTIVES

This course aims to:

- provide tools for the systemic approach to complex systems
- trainee students to the analytical approach to complex systems
- provide knowledge to wiggle out of an economic and human resources complex systems
- provide specific skills for business problem solving and complex marketing through applications of complexity science to management

CONTENTS

- 1 Theories of complex systems: notions
- 2 Principles of complexity
- 3 Self-organisation in complex systems
- 4 The edge of chaos
- 5 Hologrammatic principle
- 6 Impossibility of prediction
- 7 Power of connections
- 8 Circular causality
- 9 Try & learn

ASSESSMENT

Written exam: multiple choice and open questions

RECOMMENDED TEXTBOOKS

- De Toni A.F. and L. Comello, "Journey into complexity", Lulu Publisher, 2010