

# COURSE DETAIL

## FUNDAMENTALS OF TECHNOLOGICAL CHANGE

**Country**

United Kingdom - England

**Host Institution**

University of Manchester

**Program(s)**

University of Manchester

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Business Administration

**UCEAP Course Number**

145

**UCEAP Course Suffix****UCEAP Official Title**

FUNDAMENTALS OF TECHNOLOGICAL CHANGE

**UCEAP Transcript Title**

TECHNOLOGICL CHANGE

**UCEAP Quarter Units**

4.00

**UCEAP Semester Units**

2.70

## Course Description

This course introduces management and social science perspectives on technological change and how they have developed over time. Topics include the nature of science and technology from social and economic perspectives and the economic history of technological change and industrialization. Students explore the concepts of technological innovation as well as the economic (mainstream and "heterodox") and managerial theories of technological change that have shaped management and policy thinking about innovation. Finally, this course breaks down the management of technology both in the firm and in society more generally, taking as examples technological revolutions (e.g. the ICT revolution), systemic innovations (e.g. containerized shipping), firm level innovation strategies (e.g. open innovation and corporate venturing), and the role of government in innovation driven economic development (e.g. in the development of Silicon Valley).

## Language(s) of Instruction

English

## Host Institution Course Number

BMAN10252

## Host Institution Course Title

FUNDAMENTALS OF TECHNOLOGICAL CHANGE

## Host Institution Campus

University of Manchester

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Business Management

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