# Higher Education

## from Cambridge University Press

## The home of Cambridge Textbooks

**CAMBRIDGE**
UNIVERSITY PRESS

# Contents

# Introduction to Higher Education

Higher Education from Cambridge University Press is the home for our textbooks, shaped by extensive feedback from librarians, students and instructors. An innovative, fully integrated digital website, it provides users with easy, affordable access to textbooks, together with all available supplementary teaching and learning materials. It is built on the same technology as Cambridge Core with the aim of making searching across the full breadth of our publications easier than ever before.

Users can bookmark, annotate and highlight text, and navigate through personalized copies in a way that makes sense to them. There is also cut and paste (20% by word count) and print (20% by page count) functionality per e-textbook for each user. Content will automatically resize to display on mobile devices and can be read both on and offline using our e-reader app. Instructors also have access to a streamlined process for requesting examination copies.

Access is provided through an annual lease, either to individual titles or collections that will grow as new books are published. Leases allow for an unlimited number of concurrent users.

During the site's first year, the number of textbooks grew from a few hundred to nearly 1,000. New, born-digital textbooks were and continue to be added as they're published. In addition, some flat-HTML textbooks, and other full-functionality textbooks formerly withdrawn from sale, were moved onto the site.

# Why access e-textbooks on Higher Education?

Cambridge University Press has introduced a new set of strategies to support the changing teaching and learning needs as higher education institutions prepare for a more digitally driven future.

The structure and function of the Higher Education website prioritises easy and continuous accessibility for all users, especially people with disabilities. Using the Web Content Accessibility Guidelines (WCAG) 2.1, which explain how to make web content more accessible for people with disabilities; an annual accessibility audit; and accreditation from the Digital Accessibility Centre, the site ensures all members of the higher education community share the same experience in reading and accessing academic content, so that libraries are better equipped to support all patrons.

Digitalisation of education has sharpened all our senses by offering a variety of content formats to choose from, including video and audio lessons, interactive texts and infographics, and many more.

Recent events have highlighted how important it is for students to access learning materials remotely, without always having to go through their institutional websites. A key development of this site is that students are now able to access books offline while they are travelling or at home by logging on with a laptop, mobile phone or tablet.

Valuable usage data, including COUNTER5 reporting, is available to librarians via their administrator accounts on Cambridge Core.

The Higher Education website collates our premium e-textbooks to benefit students, instructors, and librarians.

## Benefits of Higher Education:

- Same user experience as Cambridge Core
- **Search within the entire textbook**
- Ideal for remote learning
- **Annotate, bookmark pages and export citations**
- Available online or offline on our Cambridge Spiral e-reader for Windows, iOS and Android

- **Optional dual login to protect each user's account and ensure personal annotations are kept on each e-textbook**
- Users can download up to 20 e-textbooks to their own bookshelf to read offline
- **Flexible access options**
- Institutional access is available to the full collection, the HSS and STM collections, subject collections, or individual title-by-title selections

# Access options

## ▶ Full collection

Access all available Cambridge textbooks, including new titles published during the lease period, with unlimited concurrent users.

## ▶ 19 subject collections

Access our subject collections including Humanities & Social Sciences; Science, Technology & Medicine; and 17 subject-specific groupings. These vary in quantity; all offer reduced prices per title. In addition, during the lease period, textbooks published in the subject will automatically be added to the subject collection.

## ▶ Title by title

This option offers the maximum flexibility and tiered pricing enables institutions of all sizes to be able to provide affordable textbooks.

## ▶ Special pricing for customized collections

We can match titles against your institution's reading list, if applicable, and offer reduced pricing for bundles of more than 5 textbooks.

# Classical Studies

Within the Classical Studies collection textbooks explore art and archaeology, Greek philosophy, reading Latin and Greek, the origins of Christianity and classical literature including the works of Homer and Virgil.

## Topics include:

▶ **Ancient History**

▶ **Ancient Philosophy**

▶ **Classical Art and Architecture**

▶ **Classical Languages**
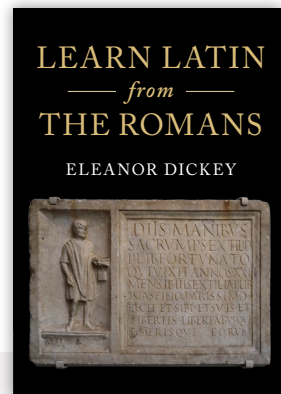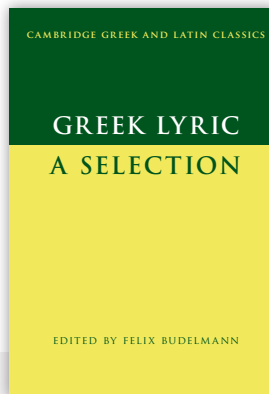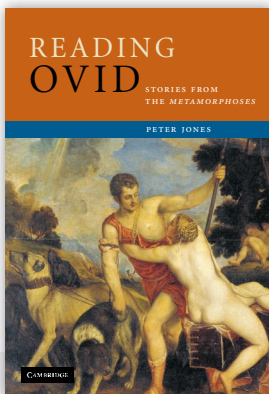


## Featured Titles:

- Reading Ovid
- Greek Lyric
- Learn Latin from the Romans

**Proportion of textbooks**

80% Advanced undergraduate level

20% introductory textbooks

# Computer Science

Titles in the Computer Science collection explore machine learning, data science and data mining, databases, architecture, programming languages and logic, artificial intelligence and NLP, robotics and vision, information retrieval, communications, algorithmics, and foundations of computer science.

## Topics include:

▶ **Algorithms, Complexity and Theory of Computing**

▶ **Artificial Intelligence and Robotics**

▶ **Machine Learning and Pattern Recognition**

▶ **Software Engineering and Development**
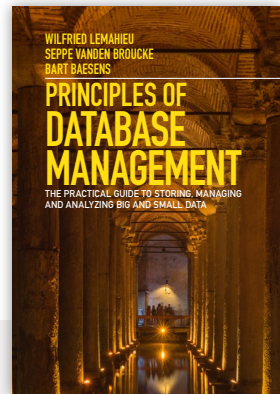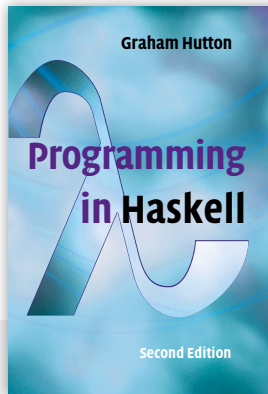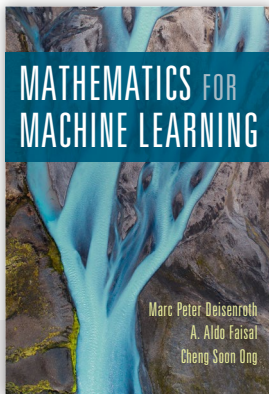


### Featured Titles:

- Mathematics for Machine Learning
- Programming in Haskell (2nd Edition)
- Principles of Database Management

**Proportion of textbooks**
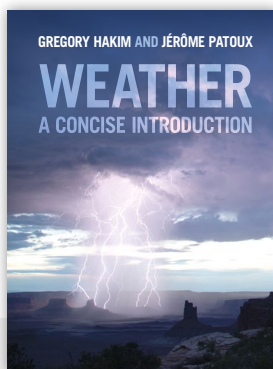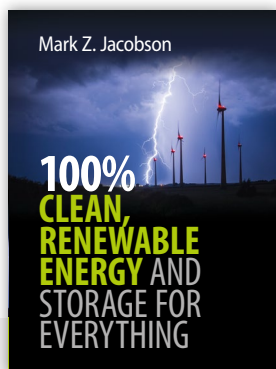
80% undergraduate

20% graduate

# Earth and Environmental Sciences

In the Earth and Environmental Sciences collection, our textbooks examine applied geoscience, petroleum and mining, geophysics, hydrology, planetary science and astrobiology, palaeontology, geomorphology and physical geography, sedimentology, stratigraphy and structural geology.

## Topics include:

▶ **Climate**

▶ **Environmental Policy, Economics and Law**

▶ **Geochemistry and Environmental Chemistry**

▶ **Oceanography and Marine Science**



Mark Z. Jacobson
100% CLEAN, RENEWABLE ENERGY AND STORAGE FOR EVERYTHING

GREGORY HAKIM AND JÉRÔME PATOUX
WEATHER
A CONCISE INTRODUCTION

PLANETARY GEOSCIENCE
Harry Y. McSween, Jr. · Jeffrey E. Moersch
Devon M. Burr · William M. Dunne · Joshua P. Emery
Linda C. Kah · Molly C. McCanta
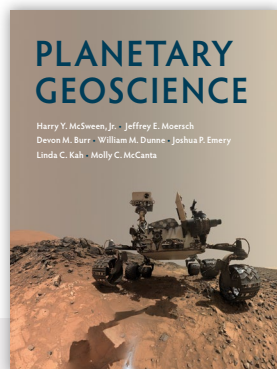
## Featured Titles:

- 100% Clean, Renewable Energy and Storage for Everything
- Weather: A Concise Introduction
- Planetary Geoscience

## Proportion of textbooks

40% undergraduate level

30% undergrad/graduate level

30% graduate level

# Economics

**Titles in the Economics collection explore econometrics and mathematical methods, finance and accountancy, natural resource and environmental economics.**

## Topics include:

▶ **Economic Theory**

▶ **Macroeconomics and Microeconomics**

▶ **International Economics**

▶ **Industrial Economics**
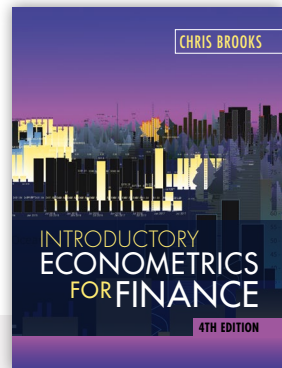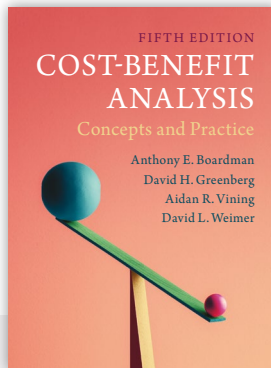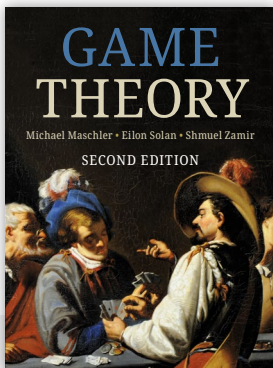
## Featured Titles:

- Game Theory (2nd Edition)
- Cost-Benefit Analysis (5th Edition)
- Introductory Econometrics for Finance (4th Edition)

## Proportion of textbooks

Most of the Economic textbooks are higher-level: upper-level undergrads and graduate students.

# Engineering

Our cutting-edge Engineering collection spans aerospace engineering, biomedical engineering, chemical engineering, electrical engineering, mechanical engineering, and materials science.

## Topics include:

▶ **Communications, information theory, and signal processing**

▶ **Energy technology**

▶ **Solid mechanics and materials**

▶ **Control theory and optimization**
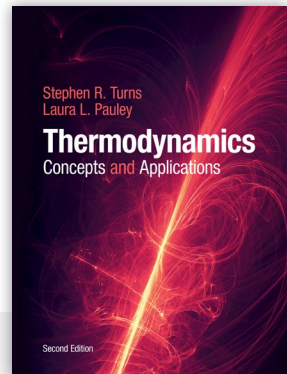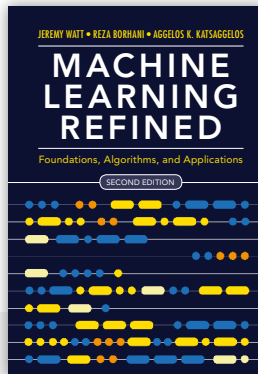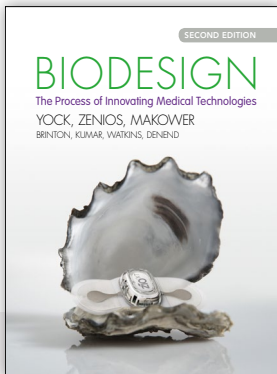
## Featured Titles:

• Biodesign

• Machine Learning Refined

• Thermodynamics

## Proportion of textbooks

Focused on senior and senior/graduate crossover, with a growing number of junior-level titles.

# History

In the History subject collection, our textbooks explore a wide range of time periods, countries and cultures including African, British, Australian, East Asian, European, Russian and Latin American History. The collection also includes texts on regional and world history, the history of science and technology, colonialism, global economy, monarchies, gender and politics.

## Topics include:

▶ **Economic History**

▶ **Global History**

▶ **History of Ideas and Intellectual History**

▶ **War & Military History**
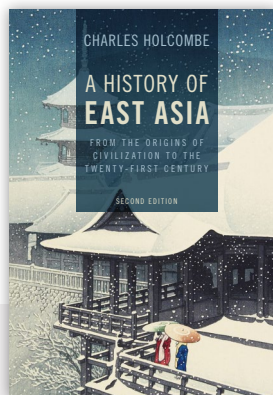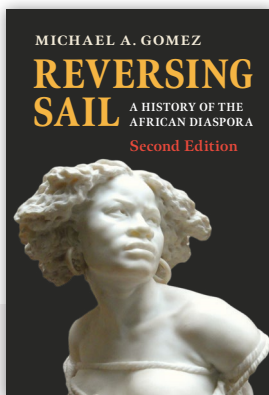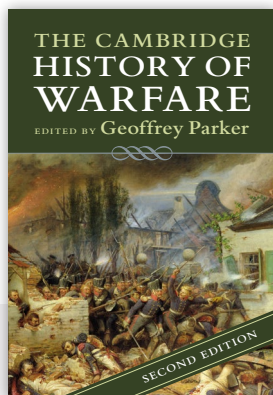
## Featured Titles:

- The Cambridge History of Warfare (2nd Edition)

- Reversing Sail (2nd Edition)

- A History of East Asia
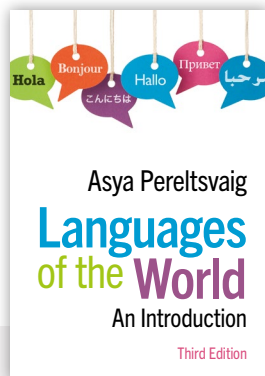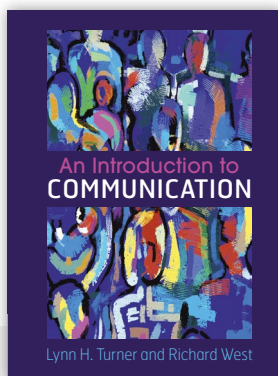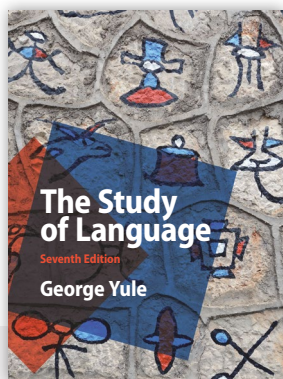
## Proportion of textbooks

Most of our History textbooks are for undergraduate, with some titles suited to more in-depth for graduates.

# Language and Linguistics

Textbooks in Language and Linguistics collection explore languages and syntax from across the globe including Asian, English and European language and linguistics. The textbooks also cover computational linguistics, historical language changes, psycholinguistics and neurolinguistics, semantics and pragmatics, sociolinguistics and language in society.

## Topics include:

▶ **Discourse Analysis**

▶ **Grammar and Syntax**

▶ **Morphology**

▶ **Phonetics and Phonology**

## Featured Titles:

- The Study of Language (7th Edition)

- An Introduction to Communication

- Languages of the World

## Proportion of textbooks
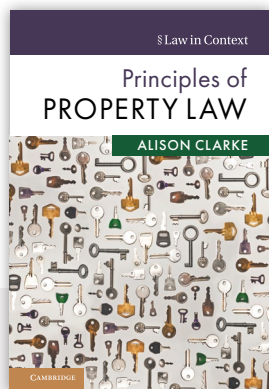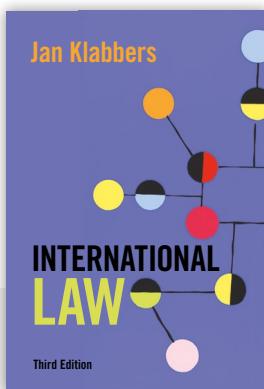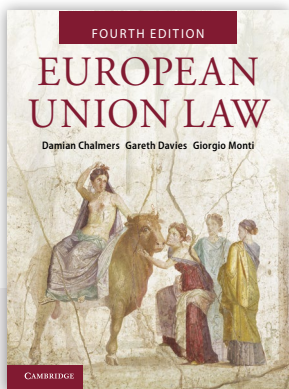
Grad-level series: CTL (20%)

Grad-level stand-alones: (20%)

Undergrad series: CILL, CIEL, CIAL (40%)

Undergrad stand-alones: (20%)

# Law

Textbooks in the Law collection examine numerous types of practice including corporate and criminal law, environmental law, family law, humanitarian law, trade law, medical law, public and property law. In addition, several titles discuss intellectual property, jurisprudence, technology, science and communication, legal skills and practice.

## Topics include:

▶ **Equity and Trusts**

▶ **Human Rights**

▶ **Legal history**

▶ **UN and International Law**

**FOURTH EDITION**
**EUROPEAN UNION LAW**
Damian Chalmers  Gareth Davies  Giorgio Monti
CAMBRIDGE

Jan Klabbers
**INTERNATIONAL LAW**
Third Edition

§ Law in Context
Principles of PROPERTY LAW
ALISON CLARKE
CAMBRIDGE

## Featured Titles:

• European Union Law

• International Law

• Principles of Property Law
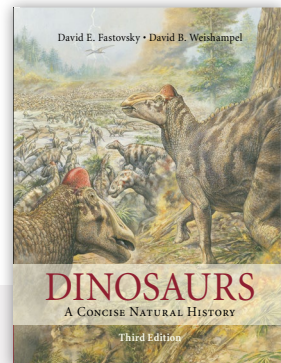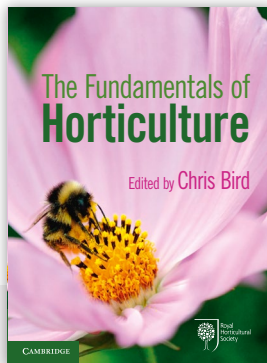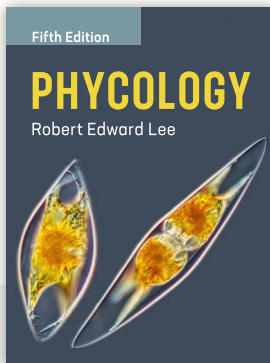
**Proportion of textbooks**

80% upper level

20% introductory undergraduate

# Life Sciences

Titles in the Life Sciences collection explore bioengineering, cell and developmental biology, evolutionary biology, genomics, systems biology, molecular biology, biochemistry, agriculture, horticulture, neuroscience, physiology and biological physics, plant sciences, quantitative biology, biostatistics and mathematical modelling and zoology.

## Topics include:

▶ **Animal Behaviour**

▶ **Biotechnology**

▶ **Ecology and Conservation**

▶ **Microbiology and Immunology**

## Featured Titles:

- Phycology
- The Fundamentals of Horticulture
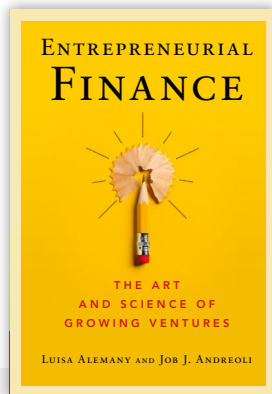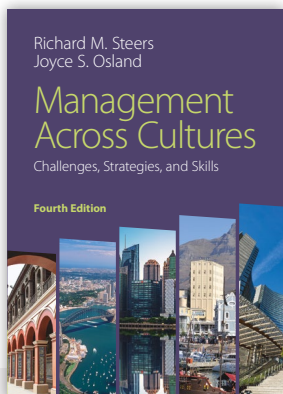- Dinosaurs

## Proportion of textbooks

80% upper level

20% introductory

# Management

Our extensive list of Business and Management textbooks covers topics in business ethics, entrepreneurship and innovation, international business, marketing, data science, strategy, organization studies and research methods, among many others. Our textbooks are used across a range of advanced undergraduate, graduate, and MBA courses, and are rigorously designed to meet the needs of instructors and students.

## Topics include:

▶ **International Business**

▶ **Finance**

▶ **Strategy**

▶ **Organisational Studies**

Richard M. Steers
Joyce S. Osland
**Management Across Cultures**
Challenges, Strategies, and Skills
**Fourth Edition**

EIGHTH EDITION
**TRANSNATIONAL MANAGEMENT**
Text and Cases in Cross-Border Management
**CHRISTOPHER A. BARTLETT & PAUL W. BEAMISH**

ENTREPRENEURIAL **FINANCE**
THE ART AND SCIENCE OF GROWING VENTURES
LUISA ALEMANY AND JOB J. ANDREOLI

## Featured Titles:

• Management Across Cultures

• Transnational Management

• Entrepreneurial Finance

**Proportion of textbooks**

90% MBA or master's level

10% undergrad or practitioner

# Mathematics and Statistics

Our textbooks list in mathematics covers pure and applied mathematics, ranging from first year math for liberal arts courses to graduate level textbooks. We also publish textbooks in statistics, with applications to a broad range of disciplines.

## Topics include:

▶ **Real and Complex Analysis**

▶ **Discrete Mathematics**

▶ **Optimization**

▶ **Actuarial Mathematics**
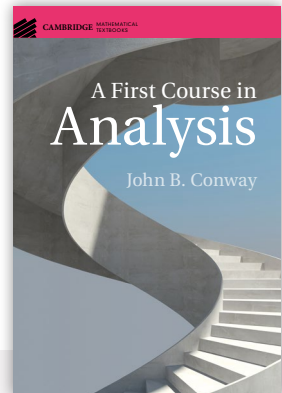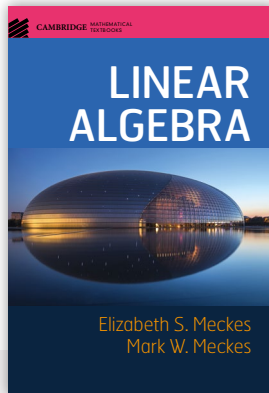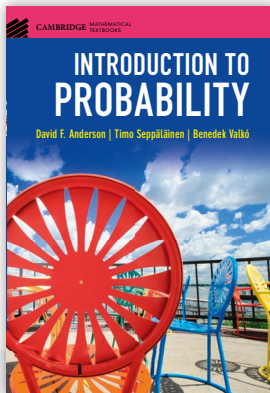
## Featured Titles:

- Introduction to Probability
- Linear Algebra
- A First Course in Analysis
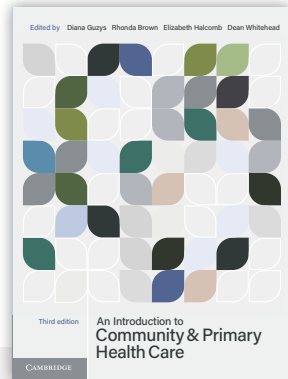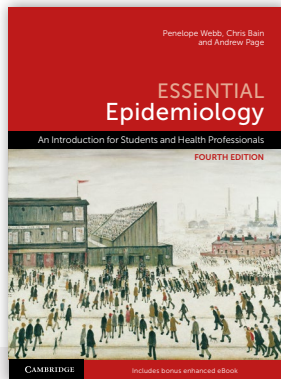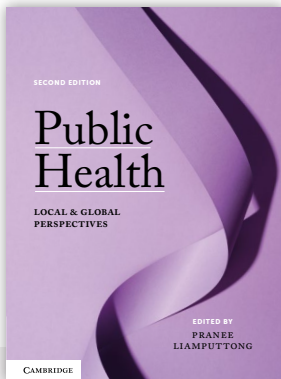
## Proportion of textbooks

10% Introductory

90% advanced/ graduate

# Medicine

**Our Medicine textbooks cover a wide range of disciplines.**

## Topics include:

▶ **Epidemiology, Public Health and Medical Statisitcs**

▶ **Medical Law, Ethics and Forensic Medicine**

▶ **Nursing and Midwifery**

## Featured Titles:

- Public Health
- Essential Epidemiology
- An Introduction to Community and Primary Health Care

## Proportion of textbooks

Applicable for both undergraduate and postgraduate: 71%
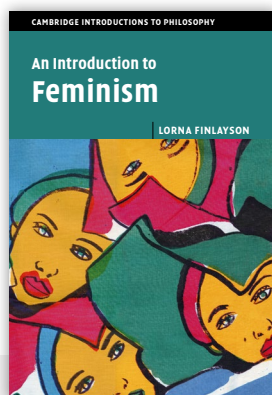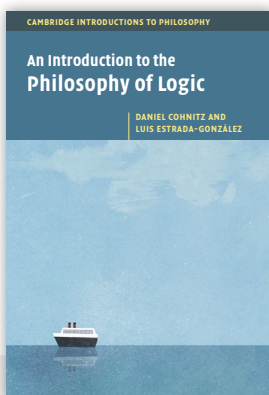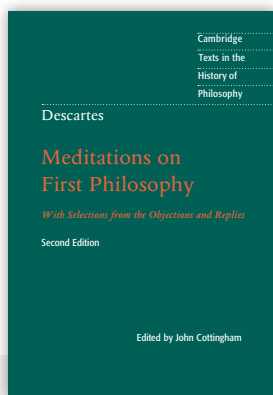
Undergraduate: 17%

Higher-level: 12%

# Philosophy

In the Philosophy collection our textbooks explore non-western philosophy, politics, cognitive science, model theory, metaphysics, decision theory, economics, public policy, feminism, healthcare ethics and business ethics.

## Topics include:

▶ **Epistemology and Metaphysics**

▶ **Classical Philosophy**

▶ **Ethics & Logic**

▶ **History of Philosophy**

Cambridge Texts in the History of Philosophy

Descartes

Meditations on First Philosophy

*With Selections from the Objections and Replies*

Second Edition

Edited by John Cottingham

CAMBRIDGE INTRODUCTIONS TO PHILOSOPHY

An Introduction to the Philosophy of Logic

DANIEL COHNITZ AND LUIS ESTRADA-GONZÁLEZ

CAMBRIDGE INTRODUCTIONS TO PHILOSOPHY

An Introduction to Feminism

LORNA FINLAYSON

## Featured Titles:

- Descartes: Meditations on First Philosophy

- Introduction to the Philosophy of Logic

- Introduction to Feminism

## Proportion of textbooks
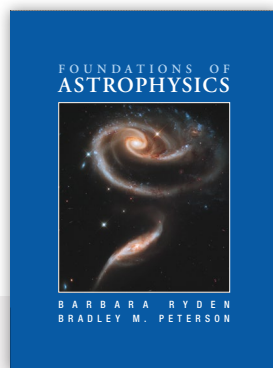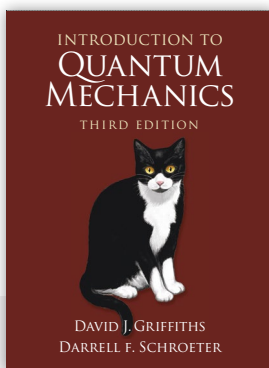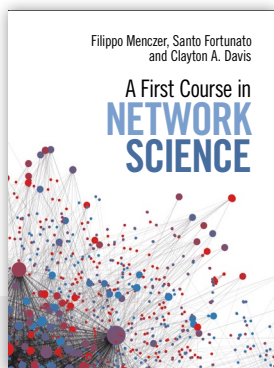
90% Upper undergraduate and graduate texts

10% introductory for beginner undergraduates

# Physics and Astronomy

In the Physics and Astronomy collection, our textbooks explore biological physics, computational physics, condensed matter physics, mathematical physics, photonics, particle physics, plasma physics, quantum physics, general relativity, planetary geoscience and stars and stellar process.

## Topics include:

▶ **Cosmology and General Relativity**

▶ **Quantum Physics**

▶ **History, Philosophy and Foundations of Physics**

▶ **Particle Physics and Quantum Field Theory**



Filippo Menczer, Santo Fortunato and Clayton A. Davis
A First Course in NETWORK SCIENCE

INTRODUCTION TO QUANTUM MECHANICS
THIRD EDITION
DAVID J. GRIFFITHS
DARRELL F. SCHROETER

FOUNDATIONS OF ASTROPHYSICS
BARBARA RYDEN
BRADLEY M. PETERSON

## Featured Titles:

• A First Course in Network Science

• Introduction to Quantum Mechanics

• Foundations of Astrophysics

**Proportion of textbooks**

10% Introductory

90% Higher-Level

# Politics and International Relations

In the Politics and International Relations collection, our textbooks explore global politics and policy, African government, east Asian government, history of ideas, political thought and research methods.

## Topics include:

▶ **American Government, Politics and Policy**

▶ **Political Economy**

▶ **Political Theory**
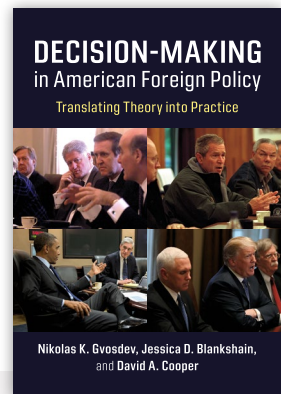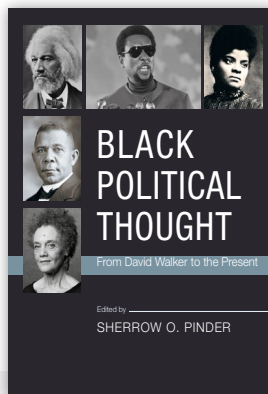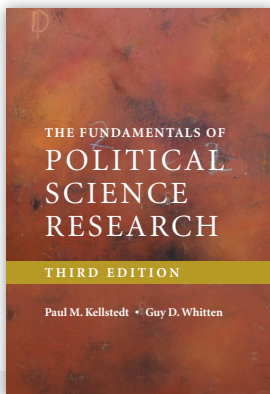
## Featured Titles:

- The Fundamentals of Political Science Research

- Black Political Thought

- Decision-Making in American Foreign Policy
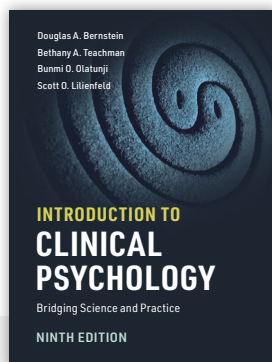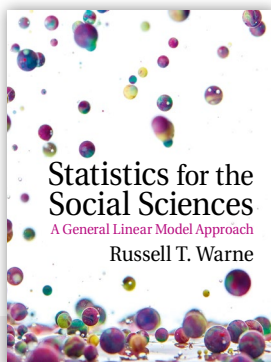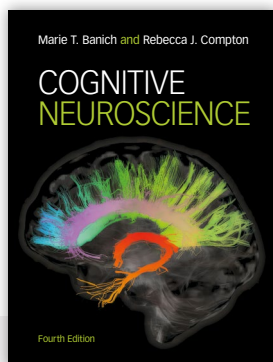
## Proportion of textbooks

Most of our Politics textbooks are intermediate and upper-level undergraduate texts, so undergraduate level and above.

# Psychology

In the Psychology collection, our textbooks explore biological psychology, cognition, history, educational psychology, LGBTQ+, substance use disorder, multimedia learning, addiction, prejudice and mental health.

## Topics include:

▶ **Developmental Psychology**

▶ **Health and Clinical Psychology**

▶ **Research Methods**

▶ **Social and Behavioural Sciences**

## Featured Titles:

- Cognitive Science
- An Introduction to Clinical Psychology
- Statistics for the Social Sciences: A General Linear Model Approach

## Proportion of textbooks

Most of our textbooks are used for undergraduate courses, but there are many titles that can be used in both undergraduate and graduate courses.

# Religion

Titles in our Religion collection explore theology, the origins of Christianity, syntax, medieval heresies and sacred religious texts.

## Topics include:

▶ **Buddhism**

▶ **Judaism**

▶ **Islam**

▶ **The Old and New Testament**
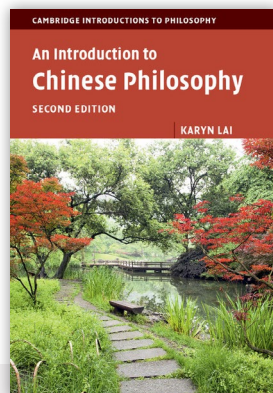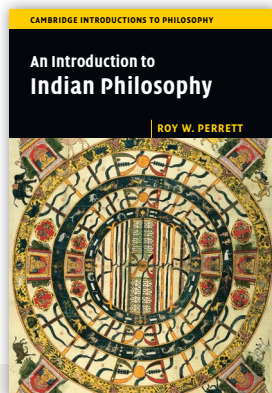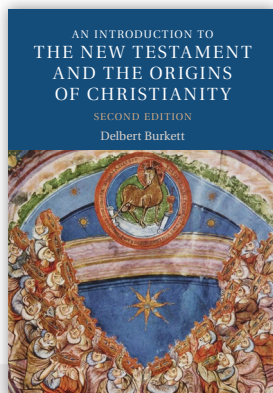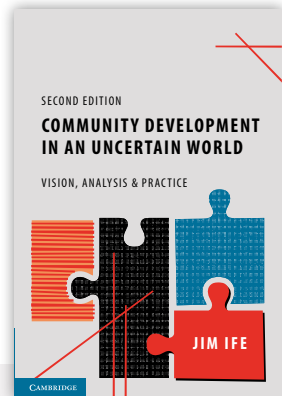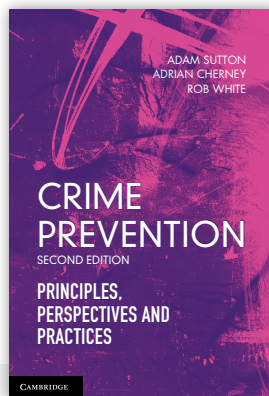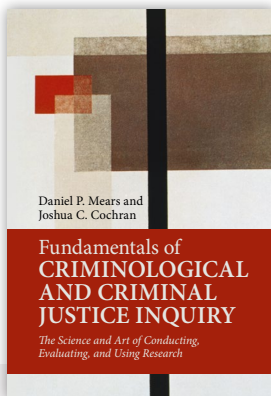


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