



# Artificial Intelligence: A Modern Approach

(Third edition) by [Stuart Russell](#) and [Peter Norvig](#)

AIMA Home
Code
Contents
Courses
Errata
Instructors

The [leading textbook](#) in Artificial Intelligence.  
Used in over [1300](#) universities in over 110 countries.  
The [22nd most cited](#) computer science publication on Citeseer (and 4th most cited publication of this century).

## What's New

- Free Online AI course, Berkeley's CS 188, offered [through edX](#).

## Table of Contents

[\[Full Contents\]](#)

Preface [\[html\]](#)

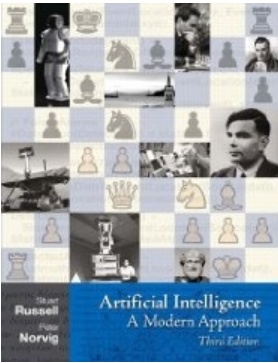
Part I Artificial Intelligence	1 Introduction
	2 Intelligent Agents
Part II Problem Solving	3 Solving Problems by Searching
	4 Beyond Classical Search
	5 Adversarial Search
	6 Constraint Satisfaction Problems
Part III Knowledge and Reasoning	7 Logical Agents
	8 First-Order Logic
	9 Inference in First-Order Logic
	10 Classical Planning
	11 Planning and Acting in the Real World
	12 Knowledge Representation
Part IV Uncertain Knowledge and Reasoning	13 Quantifying Uncertainty
	14 Probabilistic Reasoning
	15 Probabilistic Reasoning over Time
	16 Making Simple Decisions
	17 Making Complex Decisions
Part V Learning	18 Learning from Examples
	19 Knowledge in Learning
	20 Learning Probabilistic Models
	21 Reinforcement Learning
Part VII Communicating, Perceiving, and Acting	22 Natural Language Processing
	23 Natural Language for Communication
	24 Perception
	25 Robotics
Part VIII Conclusions	26 Philosophical Foundations
	27 AI: The Present and Future
	A Mathematical Background <a href="#">[pdf]</a>
	B Notes on Languages and Algorithms <a href="#">[pdf]</a>

Bibliography [\[pdf\]](#) and [histograms](#)

Index [\[html\]](#) or [pdf](#)

## Comments and Discussion

### Search AIMA



- [Comments from readers](#)
- [Errata list](#) (errors in the book)
- [AIMA-talk](#) discussion list, open to all

## AI Resources on the Web

- [AI Resources](#) in many categories
- [AI courses that are using AIMA](#) (1300 schools)

## Online Code Repository

- Pseudo-code algorithms from the book in [pdf](#).
- [Online code](#) at [aimacode](#) project on Github.
- [Online demos](#) (Java applets and Javascript)
- [The OpenNERO 3D multiagent simulator](#)

## For the Instructor

- [AI Instructor's Resource Page](#)
- Lecture slides coming soon.

## Getting the Book

- From [the publisher](#), [other online sellers](#) or a [local library](#)
- E-book: [CourseSmart](#), [Kindle](#), [Nook](#), [Cafe Scribe](#), [Kno](#)
- Previous editions: [1st](#), [2nd](#), [translations](#)