Book Adoptions for WI 2019-20
Prepared Thursday, November 14, 2019

This document lists the required and optional textbooks for Caltech courses offered during the WI 2019-20 term. Not all courses are listed. Only those courses for which the Registrar has solid information are listed.

This document is updated as more information comes in from instructors.

Please consult the Library Catalog (TIND) to view class course reserves. Course reserves are available in the Sherman Fairchild Library only. Reserve material is available for 3-hour checkout.

Changes in the last 7 days

ACM/IDS 101B
BEM110
Ch 021B
En 086
L 102B
L/VC 153
MS 131
ANTHROPOLOGY

An 014. Introduction to Sociocultural Anthropology.

Instructor: Jean Ensminger

Required textbooks:
Smith Bowen, Elenore; Return to Laughter (1st), Doubleday, 1954. ISBN: 978-0385053129

An/PS 127. Corruption.

Instructor: Jean Ensminger

Required textbooks:

APPLIED & COMPUTATIONAL MATH

ACM/IDS 101B. Methods of Applied Mathematics.

Instructor: Oscar Bruno

Suggested textbooks:

Notes for students:
The use of the texts is recommended but optional.

ASTROPHYSICS

Ay 102. Physics of the Interstellar Medium.

Instructor: Lynne Hillenbrand

Required textbooks:
Suggested textbooks:

BUSINESS, ECONOMICS, AND MANAGEMENT
CHEMICAL ENGINEERING

Instructor: Rustem Ismagilov

Required textbooks:
Folch, Albert; Introduction to BioMems, . ISBN: 1439818398

Suggested textbooks:

CHEMISTRY

Ch 021B. Physical Chemistry.
Instructor: Lu Wei

Required textbooks:
Griffiths, David J.; Introduction to Quantum Mechanics (2nd), . ISBN: 9781107179868
Atkins, Peter W., and Freedman, Ronald S.; Molecular Quantum Mechanics (5th), . ISBN: 9780199541423

COMPUTER SCIENCE

CS 021. Decidability and Tractability.
Instructor: Christopher Umans
**ELECTRICAL ENGINEERING**

**EE 112. Introduction to Signal Processing from Data.**

*Instructor:* Palghat Vaidyanathan

*Required textbooks:*


**EE/Ma/CS 126B. Information Theory.**

*Instructor:* Michelle Effros

*Required textbooks:*

- Cover & Thomas; *Elements of Information Theory*, ISBN: 9780-471241959

*Suggested textbooks:*

- Gallager; *Information Theory and Reliable Communication*, ISBN: 9780-471290483

**ENGLISH**

**En 086. Fiction and Creative Nonfiction Writing.**

*Instructor:* Merrill Gerber

*Required textbooks:*

- Furman, Laura (Editor); *The O.Henry Prize Short Stories 2019: The Best Short Stories of the Year (1st)*, Anchor Books, div. of Random House LLC, 2019. ISBN: 978-0525565536

*Notes for students:*

Please read a story or an essay or one of each--to see which form appeals to you.
En 127. Jane Austen.

Instructor: Kevin Gilmartin

**Required textbooks:**

Jane Austen; *Northanger Abbey*, Penguin, . ISBN: 9780141439792
Jane Austen; *Sense and Sensibility*, Oxford, . ISBN: 0198793359

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**GEOLOGY**

Ge/Ay 117. Bayesian Statistics and Data Analysis.

Instructor: Heather Knutson

**Required textbook:**


**Notes for students:**

This book is also available as an Ebook through the Caltech libraries.

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**HUMANITIES**

Hum/En 020. Greek Epic and Drama.

Instructor: George Pigman

**Required textbooks:**

Homer; *The Iliad*, . ISBN: 9780140275360
Mary Lefkowitz and James Romm.; *The Greek Plays*, . ISBN: 978-0812983098

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Instructor: Warren Brown

**Required textbook:**


**LANGUAGES**

**L 102B. Elementary French.**

**Instructor:** Christiane Orcel

**Required textbooks:**


**L 167. Latin Literature.**

**Instructor:** George Pigman

**Required textbooks:**


**L 170B. Introduction to Chinese.**

**Instructor:** Xiangyun Wang

**Required textbooks:**


**L 172B. Intermediate Chinese.**

**Instructor:** Xiangyun Wang
**L/VC 153. Refugees and Migrants' Visual and Textual Representations.**

**Instructor:** Christiane Orcel

**Required textbooks:**
- Bessora (Author), Barroux (Illustrator), Sarah Ardizzone (Translator); *Alpha: Abidjan to Paris*, Bellevue Literary Press, May 2018. ISBN: 978-1942658405
- Ruillier, Jérôme (Author), Dascher, Helge (Translator); *The Strange*, Drawn and Quarterly, June 2018. ISBN: 978-1770463172
- Calais Writers; *Voices from the “Jungle”: Stories from the Calais Refugee Camp*, Pluto Press, June 2017. ISBN: 978-0745399706
- Gaudé, Laurent (Author), Hunter, Adriana (Translator); *Eldorado*, MacAdam/Cage, July 2008. ISBN: 978-1596922976

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**MATERIALS SCIENCE**

**MS 131. Structure and Bonding in Materials.**

**Instructor:** Marco Bernardi

**Required textbooks:**

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**MUSIC**

**Mu 138. History II: Music History from 1750 to 1850.**

**Instructor:** Thomas Neenan

**Required textbooks:**
Notes for students:
You are strongly encouraged to procure your own copies of the texts. Both texts are available in various formats at SFL for you to access until you procure your own copies. If you chose not to buy your own copies and rely on SFL reserve or electronic copies, you do so at risk of not being able to access the materials when you want.

PHYSICS

Instructor: David Hsieh

Required textbooks:
- Hellwell, T.M.; Special Relativity, ISBN: 978-1891389610
- Purcell, EM, Morin, DJ; Electricity and Magnetism (3), ISBN: 978-1107014022

Ph 106B. Topics in Classical Physics.
Instructor: Sunil Golwala

Required textbooks:

Suggested textbooks:

VISUAL CULTURE

VC 060. Art/Media.
Instructor:

Required textbooks: