



# History (HIST) 404

**Historical Foundations of Modern Science** (Revision 3)

<b>Delivery mode:</b>	Individualized study online <a href="#">↗</a>
<b>Credits:</b>	3
<b>Areas of study:</b>	Arts or Humanities
<b>Prerequisites:</b>	None. HUMN 202 is strongly recommended.
<b>Precluded:</b>	None
<b>Challenge:</b>	HIST 404 has a challenge for credit option.
<b>Faculty:</b>	Faculty of Humanities and Social Sciences <a href="#">↗</a>
<b>Status:</b>	Replaced with new revision, see the <b>course listing</b> <a href="#">↗</a> for the current revision <b>✕</b>

Overview

HIST 404 is designed primarily for science students in the last year of a BS program, and for history students in the last year of a BA (History) program. As such, *History 404* uses a range of primary and secondary materials as well as visual media, notably, the thirteen episodes that make up the lecture series *A History of Science in Society*.

## Outline

- Unit 1: What Is Science?
- Unit 2: The Origins of Natural Philosophy or Why the Greeks?
- Unit 3: Science in the Roman and Islamic Worlds and the 12th Century Revival in Western Europe
- Unit 4: Science in the Renaissance
- Unit 5: The Scientific Revolution
- Unit 6: Science and the Enlightenment
- Unit 7: Science and the Age of Empire
- Unit 8: The End of Certainty: Science, War and the Onset of the Atomic Age
- Unit 9: Discovering DNA
- Unit 10: Hypatia's Heritage: Women's Role in Science
- Unit 11: The Shrinking World

## Evaluation


To **receive credit** [↗](#) for HIST 404, you must achieve a course composite grade of at least **D (50 percent)** [📄](#) and a grade of at least 50 percent or better on the final examination. The weighting of the course assignments is as follows:


Activity	Weight
Assignment 1	15%
Assignment 2	20%
Assignment 3	25%
Final Exam	40%
<b>Total</b>	<b>100%</b>


The **final examination** for this course must be taken online with an AU-approved exam invigilator at an approved invigilation centre. It is your responsibility to ensure your chosen invigilation centre can accommodate online exams. For a list of invigilators who can accommodate online exams, visit the **Exam Invigilation Network** [↗](#).

To learn more about assignments and examinations, please refer to Athabasca University's **online Calendar** [↗](#).

## Materials

Alic, Margaret. *Hypatia's Heritage: A History of Women in Science from Antiquity to the Late Nineteenth Century*. London: The Women's Press, 1986.  (Print)

Ede, Andrew, and Lesley B. Cormack. *A History of Science in Society: From Philosophy to Utility*. Toronto: U of Toronto P, 2009.  (Print)

Watson, James D. *The Double Helix: A Personal Account of the Discovery of The Structure of DNA*. New York: Touchstone Edition, 2001.  (Print)

## Other Materials

All of your Athabasca University materials will be found at your online course site. Key course materials include the *Course Manual*, the *Study Guide*, and assignments and quizzes

## Challenge for credit

### Overview

The challenge for credit process allows you to demonstrate that you have acquired a command of the general subject matter, knowledge, intellectual and/or other skills that would normally be found in a university-level course.

Full information about **challenge for credit** [↗](#) can be found in the Undergraduate Calendar.

### Evaluation

To **receive credit** [↗](#) for the HIST 404 challenge registration, you must achieve a grade of at least **D (50 percent)** [📄](#) on the examination.



**Challenge for credit course registration form**

## Important links

- › **Academic advising** [↗](#)
- › **Program planning** [↗](#)
- › **Request assistance** [↗](#)
- › **Support services** [↗](#)

Athabasca University reserves the right to amend course outlines occasionally and without notice. Courses offered by other delivery methods may vary from

their individualized study counterparts.

*Opened in Revision 3, June 8, 2012*

*Updated March 7, 2023*

View **previous revision** [↗](#)

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