Philosophy of Mathematics

PHIL375/MATH375

Introduces problems in the philosophy of mathematics. Topics may include the nature of mathematical objects, the status of the infinite in mathematics, the relationship between mathematics and natural science/physical reality.

PREREQUISITES PHIL203, PHIL304A, PHIL370, MATH122, or MATH360.

Professor Mike Raven (⋈ raven@uvic.ca • ☐ raven.site)

OFFICE HOURS ● Monday/Wednesday 1:00-2:00_{PM} (or appointment) <u>A</u> CLE B323

LMS <u>bright.uvic.ca/d2l/home/243329</u> (Consult for updates and current course documents.)

TEXTS — BEFORE BUYING: TEXT(S) ARE ON RESERVE AND MANY ARE ALSO AVAILABLE ONLINE —

Frege, *The Foundations of Arithmetic* trans. Austin (Wiley-Blackwell)

Shapiro, Thinking about Mathematics (Oxford)

EVALUATION

RUBRIC Grades (<u>UVic's scale</u>) you earn are determined by the philosophical craftsmanship of your work for this course according to the RUBRIC: <u>web.uvic.ca/-raven/teaching/Rubric.pdf</u>

WORK → INTEGRITY MATTERS Short online course on academic integrity.

→ PROBLEM SETS $[^2/_3]$ Short essay assignments (see SCHEDULE for due dates). 7 CHECKPOINTS $[^1/_6]$ Best 7 of 10 online reading comprehension quizzes.

 \neg ENGAGEMENT [$\frac{1}{6}$] Contribute at least one substantive post to the forum weekly:

web.uvic.ca/~raven/teaching/Engagement.pdf

A failing **N** grade will be earned if any essential work (★) is not completed.

GRACE POINTS A grace point delays the due date of an essential work (+) by 1 day. 5 are allotted and may be used in any combination without justification, but cannot be reused, traded, or earned. To use # grace points, write '# grace points' at the top of your submission.

LATENESS Work submitted after a due date will *not* be accepted (see ACCESSIBILITY for exceptions).

POLICIES

CONDUCT

Enrolling binds you to a social contract with your instructor and classmates.

- Be prepared. Consult course documents. Read assigned text before class.
- Be engaged. Attend class. Use office hours and tutorials.
- **Be respectful**. Don't bully or distract others.
- Be professional. Check sources first. Follow etiquette. Allow ≥1 day for replies.
- Demonstrate academic integrity: www.uvic.ca/current-students/home/academics/academic-integrity/

REQUESTS

Accessibility arrangements must be made with <u>CAL</u> (see RESOURCES). Other requests (extra credit, extensions, makeup work) will *not* be considered, except for extraordinary cases (instructor's discretion; e.g. *not* technical/wifi issues) and when the request (and documents, if any are required) is received within 3 days of the due date.

GUESTS Guests permitted only with instructor's prior consent.

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RESOURCES

INDIGENOUS SUPPORT	We acknowledge and respect the ləkwənən peoples on whose traditional territory the university stands and the Songhees, Esquimalt and WSANEC peoples whose historical relationships with the land continue to this day. For more information and support:
ACCESSIBILITY	For accessibility support, consult the Centre for Accessible Learning (CAL): www.uvic.ca/services/cal/
WELLNESS	Take care of your mental and physical well-being! If your symptoms are related to this course, then please speak with the instructor. For cost-free, confidential support:
LEARN ANYWHERE	For student and academic support services: onlineacademiccommunity.uvic.ca/LearnAnywhere/

SCHEDULE

Consult www.uvic.ca/calendar/dates/ for important dates (including last add/drop dates).

Required texts (•) must be read before each class (including SEP 7).

Consult the STUDY GUIDE for guidance on topics to be discussed.

Dates are tentative; consult LMS for updates.

