

NICHOLAS WINTERS

Classics Department
Northwestern University
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RESEARCH INTERESTS

Ancient Mathematics; History of Science, Mathematics, and Technology; Ancient Medicine; Palaeography and Manuscript Studies; Papyrology; Trans Studies; Gender and Sexuality.

EDUCATION

Ph.D. Classical Studies, Duke University 2020
Dissertation: Schools of Greek Mathematical Practice
Advisor: Joshua Sosin
M.S. Physics, University of Illinois at Chicago 2012
Specialization: Experimental high-energy heavy-ion physics
Research Group: CMS collaboration, Large Hadron Collider
B.S. Physics, Austin Peay State University 2008
B.A. Liberal Arts, St. John's College, Santa Fe, NM 2006
Thesis: Disproportion of the Thinking Reed: The Nature of Man in Pascal's *Pensées*

ADDITIONAL EDUCATION

2017 Winter School in Greek Palaeography, American Academy in Rome/Vatican Library
Final Project: Dactylo-Epitrite Meter and the Colometry of Pindar's *Odes*

2015 RCR-200 Research Training in Digital Humanities/Digital Textual Editing, Duke University

AWARDS

Gender Inclusive Initiative Seed Fund Recipient, Northwestern University Provost's Office	2023/24, 2024/25
National Endowment for the Humanities Fellowship, American School of Classical Studies at Athens	2022/23
Julian Price Graduate Fellowship, Duke University	2019/20
Graduate Summer Research Fellowship, Duke University	2019
Conference Travel Award, Duke University	2018
Presenter, annual meetings of CAMWS in Albuquerque, NM	
Graduate Research Travel Award, Duke Department of Classics	2017
Visiting Scholar, Winter School in Greek Palaeography at the American Academy in Rome	

EMPLOYMENT

Assistant Professor of Classics, Northwestern University	2023-present
Affiliate Faculty, Science in Human Culture Program	
Affiliate Faculty, Center for Interdisciplinary Exploration and Research in Astrophysics	
Affiliate Faculty, Gender and Sexuality Studies Program	
Senior Associate Member, American School of Classical Studies at Athens	2022-2023
Postdoctoral Research Fellow, Northwestern University	2022-2023
Visiting Assistant Professor of Classics, Union College	2020-2022
Additional affiliation:	
Interdepartmental Program in Gender, Sexuality, and Women's Studies	
Visiting Instructor of Physics, Austin Peay State University	2012-2014

PUBLICATIONS

4. Winters, N. "Method and Style in Archimedes' *Quadrature of the Parabola*." *Archive for History of Exact Sciences* 79 (1): 15. 2025. <https://doi.org/10.1007/s00407-025-00352-w>.
3. Winters, N. Review of *The Prosciutto Sundial: Casting Light on an Ancient Roman Timepiece from the Villa dei Papiri in Herculaneum*, by Christopher Parslow. *The Classical Journal*. 2025.
2. Winters, N. "Caelius Aurelianus / Soranos" in Georgina Barker (ed.), *Lesbiantiquity*. www.lesbiantiquity.lgbt. 2024.
1. Winters, N. "The Epicurean Project of the *Ciris*," in Davis and Yona (eds.), *Afterlives of the Garden: Receptions of Epicurean Thought in the Early Empire and Late Antiquity*. 79-96. Berlin: De Gruyter. 2023.

WORKS IN PROGRESS

Peer-reviewed Journal Articles

- "The Construction of Expertise in the Greek Arithmetical Epigrams." *Apeiron*. [forthcoming]
- "Inscribed Sundials in the Elementary Greek Classroom." Co-authored with Tim Winters, Austin Peay State University. *Teaching Classical Languages*. [forthcoming]
- "A Mathematical Poem Ascribed to Euclid" [in progress; demonstrates that the poem is based on an Aesop's fable, and that it was transmitted with a small collection of poems on technical and scientific themes; includes a critical edition of the poem]
- "Ancient Sundial Manufacture and the Economy of Ludic Intellectual Labor" [in progress; argues that the history of playful sundial design in Greece and Rome reflects the class aspirations of non-aristocratic expert dial-makers, and is consistent with broader trends among experts in mathematized trades during the late Hellenistic and early Roman periods; first draft presented as a conference paper in 2025]

“Demonstration, Theorization, and Mathematical Rigor in the Works of Archimedes” [in progress; argues that Archimedes’ language around proof and demonstration is inconsistent throughout his works, because his standards of rigor developed under competing influences from Greek intellectual culture]

“Nostalgia in Lucian’s *True History*” [in progress; argues that Lucian’s subversion of the Odyssean ideal of homecoming reflects a sense of colonial alienation under Roman imperialism and Greek cultural hegemony; developed during a course taught in 2025]

Books

The Greek Mathematical Schools. [monograph, in progress]

A Trans History of Ancient Science. [monograph based on recent research, in planning stages]

PAPERS AND INVITED LECTURES

“Sundial Manufacture in Ancient Greece and Rome”	2025
Panel Organizer, Early Sciences Forum: <i>Liminality and the Margins of Disciplines</i>	
History of Science Society Annual Meeting	
“Pythagorean Terminology in Greek Mathematics”	2025
International Congress of History of Science and Technology	
Otago University, Dunedin, New Zealand	
“Art and Artifacts of Ancient Astronomy”	2025
CIERA Colloquium, Invited Lecture	
Northwestern University	
“The Many-Gendered Cosmos: A Trans Account of Ancient Astrology”	
Pre and Early Modern Trans Studies Symposium	2025
“A Matter of Time: Inscribed Sundials In the Elementary Greek Classroom”	
Classical Association of the Middle West and South	2025
“Rival Arithmetics of Ancient Greece”	
Klopsteg Lectures on Science in Human Culture	2025
Northwestern University	
“Toward a Trans History of Ancient Science”	
2 nd International Trans Studies Conference	2024
“Hybrid Mathematical Texts and Greek Intellectual Networks”	
Society for Classical Studies Annual Meeting	2024

“Ancient Pharmacology: The Case of Theriac” Guest Lecture, Austin Peay State University Honors College	2023
“Shadows of Time: The Science and Art of the Ancient Sundial” Invited Lecture, Archaeological Institute of America R.S. Webster Lecture on Ancient Astronomy	2023
“Trans in Classics on Mentoring” Society for Classical Studies Annual Meeting Panel on Mentoring in Classics, Committee on Gender and Sexuality in the Profession	2023
“Without Geometry: Mathematical Practice in Plato’s Dialogues and the Early Academy” Classical Association of the Middle West and South	2022
“Greek Mathematical Poetry” Society for Classical Studies Annual Meeting	2021
“Platonist-Pythagorean Influence on Greek Mathematics” (adaptation of “Greek Mathematical Traditions”) 9 th Interdisciplinary Conference on Philosophy, Athens Η Διεθνής Επιστημονική Εταιρεία Αρχαίας Ελληνικής Φιλοσοφίας (The International Scientific Society of Ancient Greek Philosophy)	2020
“Greek Mathematical Traditions” Society for Classical Studies Annual Meeting	2020
“X = Why?: How Philosophy Ruined the History of Math” Invited Lecture, Austin Peay State University	2019
“Greeks Doing Algebra” Classical Association of the Middle West and South	2018

PEER REVIEW

Editor, <i>Philomathes: A Journal of Undergraduate Research in Classics</i>	2021-present
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PROFESSIONAL AFFILIATIONS AND SERVICE

Appointed Offices

President, Trans in Classics	2024-present
Member of Leadership Committee, Trans in Classics	2021-present
Member of Science Advisory Council and Academic Advisory Council Hellenic Institute for Cultural Diplomacy (US Branch)	2020-present

Membership

Society for Classical Studies
 Women's Classical Caucus
 Lambda Classical Caucus
 Trans in Classics
 Classical Association of the Middle West and South
 Illinois Classical Conference
 American Society of Papyrologists
 History of Science Society
 American Physical Society
 Hellenic Institute for Cultural Diplomacy (US Branch)

TEACHING AND ADVISING

Northwestern University

Assistant Professor

F 2023-present

Classics 314 Topics in Ancient Science and Technology

- Ancient Astronomy S 2024, S 2025, F 2025
- Ancient Medicine W 2025, W 2026
- Ancient Engineering (in development)
- Ancient Mathematics (in development)

[Classics 314 and all included Topics are my own course designs and new introductions to the curriculum.]

Greek 301 Readings in Greek Literature

- Helen of Troy on Trial S 2024
- Lucian's *True History* S 2025
- Aristophanes' *Clouds* F 2025

[All Greek 301 syllabuses are my own course designs.]

Latin 310 Readings in Latin Literature

- Sallust's *Bellum Catilinae* W 2026

[Syllabus is my own course design.]

Classics 211 Greek History and Culture

F 2023, W 2025

[Classics 211 is a standard course, but the syllabus I taught was my own design.]

Classics 320 Greek and Roman History

- Ancient Medicine F 2023

[The same as my Ancient Medicine Topics course, before we got Classics 314 approved and set up.]

Advisor, Undergraduate Honors Thesis (Classics 399)

- Lauren Kelley, *Virgil's Woman: The Influence of Greco-Roman Gynecological Theory on the Aeneid* S 2025

Union College

Visiting Assistant Professor

F 2020-S 2022

GRK 320 Attic Prose (Greek Reading)

W 2022

LAT 341 Roman Historiography (Latin Reading)

F 2021

CLS 155 History of the Book	Sp 2021, Sp 2022
CLS 162 Women in Greek Drama	Sp 2021
CLS 188 Ancient Astronomy	W 2021, Sp 2022
FPR 100 Science in the Public Eye	W 2021, W 2022
CLS 121 History of Greece	F 2020, F 2021
CLS 192 Ancient Medicine	F 2020, W 2022

Teaching Abroad

Duke in Greece Program (Director: Michael Ferejohn)	Su 2018
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Duke University**Instructor**

LATIN 101 Elementary Latin	F 2017/F 2018
LATIN 102 Elementary Latin	Su 2017/Sp 2018
LATIN 203 Intermediate Latin	Su 2018

Teaching Assistant

CLST 275 Democracy Ancient and Modern (Jed Atkins)	Sp 2017
CLST 283 Greek History (Joshua Sosin)	F 2015

Austin Peay State University**Visiting Instructor** (full-time appointment)

Physics, all undergraduate levels	F 2012-Sp 2014
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Adjunct Instructor

Physics, all lower division levels	Su 2012/Su 2014/Su 2015
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Teaching Assistant

Mathematics (Structured Learning Assistance Program)	F 2007-Sp 2008
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Tutor

Latin, Ancient Greek, Mathematics, English	F 2006-Sp 2008
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Teacher

English (Upward Bound Program)	Su 2006
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University of Illinois at Chicago**Teaching Assistant**

Physics, all lower division levels	F 2008-Sp 2012
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St. John's College, Santa Fe, NM**Instructor**

Indo-European Grammar (Graduate Program)	F 2004-Sp 2006
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Other**Independent Tutor** (Durham, NC)

Latin, Italian, Physics, Mathematics, English, and SAT preparation	2015-2016
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Instructor, Florim USA (Clarksville, TN)

ESL for Italian speakers	2007
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DEPARTMENT, COLLEGE, AND UNIVERSITY SERVICE

Northwestern University

Advisory Board Member, Gender and Sexuality Studies Program	2025-present
Advisory Board Member, Science in Human Culture Program	2024-present
Humanities Council Member, Kaplan Institute for the Humanities	2024-present
Faculty Fellow, Slivka Residential College	2024-present
Faculty Sponsor, Trans Game Night	2024-present
Study Abroad Advisor, Classics Department	2023-present
Member, Global Antiquities Group	2023-present
Contributor, Who NU Podcast	2023

Union College

Minerva Program Association: Green House	2021-2022
Department Representative, Union Pride Fest	Sp 2021
Guest Lecturer	
ATH 050 Theater Production of Euripides' <i>Trojan Women</i>	Sp 2021
CLS 191 Ancient Engineering	W 2021
AST 051 Intro to Astronomy	F 2020

Duke University

Research Assistant to Joshua Sosin (Digital Humanities – Greek Pedagogy)	Sp/Su 2020
Invited Guest Lecturer, Austin Peay State University	
MATH 4010 History of Mathematics	Sp 2019
Research Assistant to Francis Newton (Apuleius Manuscript Studies)	F 2017
Committee Chair, Duke-UNC Graduate Classics Colloquium	F 2017-Sp 2018
Committee Member, Duke-UNC Graduate Classics Colloquium	F 2015-Sp 2017

University of Illinois at Chicago

Research Assistant to David Hofman (Energy and Sustainability Studies)	F 2011-Sp 2012
Research Assistant to CMS collaboration (High-energy Heavy-ion Physics)	F 2010-Sp 2011
Assistant Coordinator, Summer Institute on Sustainability and Energy	Su 2011
Assistant Editor, Undergraduate Physics Research Journal	F 2008-Sp 2009

ADDITIONAL SKILLS

Languages: Latin, Greek, Sanskrit, Modern Greek, Italian, Japanese, French, German, Romanian, Thai, Arabic, Spanish

Programming Languages: C++, Python/ROOT, MatLab, Fortran, TeX/LaTeX