Alberto Chiecchio

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Employment

2015–	**Teacher**, TASIS, Dorado.
2014–2015	**Visiting assistant professor**, University of Arkansas, Fayetteville.
2007–2014	**Teaching assistant**, University of Washington, Seattle.
2004–2007	**Teaching assistant**, Università degli Studi di Torino, Torino, Italy.

Education

2007–2014	**PhD**, University of Washington, Seattle. PhD in Mathematics
2005–2007	**MS**, Università degli Studi di Torino, Torino, Italy. Master of Science in Mathematics (Laurea Specialistica)
2002–2005	**BS**, Università degli Studi di Torino, Torino, Italy. Mathematics (Laurea Triennale)

Teaching

2015–   **Teacher**, TASIS, Dorado.

Develop lectures, syllabus, curriculum; write and grade quizzes, homework, exams; foster class discussion.

- AP Statistics
- AP Microeconomics
- AP Macroeconomics
- AP Computer Science A
- Statistics
- Intro to Coding (high school course)
- Coding 7 (middle school course) (2015-2017)
- Programming for elementary (week long course for K-5) (summer 2016)
- Introduction to Italian Language and Culture (2015-2016)

2014–2015   **Visiting Assistant Professor**, University of Arkansas, Fayetteville.

Develop lectures (large size), syllabus, curriculum; write and grade quizzes, homework, exams; foster class discussion.

- MATH 2554: Calculus I; Instructor
- MATH 2564: Calculus II; Instructor
- Differential Equations; Instructor

2007–2014	**Graduate Teaching Assistant**, University of Washington, Seattle.

Develop lectures (small-medium size), syllabus, curriculum, class website, group worksheets; write and grade quizzes, homework, exams; foster class discussion.

- MATH 111: Algebra with Applications; Quiz section
- MATH 112: Application of Calculus to Business and Economics; Quiz section
- MATH 124: Calculus with Analytic Geometry I; Quiz section
- MATH 126: Calculus with Analytic Geometry III; Quiz section and Instructor
- MATH 308: Introduction to Linear Algebra; Instructor
- MATH 309: Introduction to Linear Analysis; Instructor
- MATH 324: Advanced Multivariable Calculus I; Instructor
- MATH 402: Introduction to Modern Algebra (Group Theory); Instructor
- MATH 510: Seminar in Algebra; Instructor
- MATH 535: Complex Analysis; Grader
- MATH 546: Topology and Geometry of Manifolds; Grader

2004-2007	**Teaching Assistant**, Università degli Studi di Torino, Faculties of Natural Sciences and Medicine, Torino, Italy.

- Informatica II (Programming II); Quiz section
- Statistica (Statistics); Quiz section
- Matematica (Mathematics); Quiz section
- Statistica Sanitaria (Clinical Statistics); Quiz section
- Statistica per la ricerca (Statistics for Experimenters); Quiz section

Teaching Workshops and Summer Schools

June 2016	**AP Economics**, University of Georgia, Athens.
January 2016	**AMS National Meeting**, Seattle.
June 2015	**AP Computer Science A**, SBU, Missouri.
Summer 2007	**Annual TA Conference on Teaching and Learning/CIDR**, University of Washington, Seattle.

Skills

Languages	Fluent: Italian, English, Spanish
Technology	Pascal, C, C++, Java, JavaScript, Python, Chuck (Programming languages)
	LaTeX, HTML, css (Visual languages)
	CoCal (former SageMath), Maple, Statistica (Computing platforms/software)
	Catalyst, Webassign, MyLabPlus, Blackboard, Gradebook, PlusPortals (Teaching platforms)

Papers

2018	**Log Terminal Singularities**, *Communications in Algebra*, Vol 46, Issue 7, pp 3047-3061.
	with S. Urbinati
2016	**Test ideals in rings with finitely generated anti-canonical algebras**, *Journal of the Institute of Mathematics of Jussieu*, pp 1-36.
	with F. Enescu, L. Miller, and K. Schwede
2016	**Some properties and examples of log terminal$^+$ singularities**, *Communications in Algebra*, Vol 44, Issue 2, pp 796-822.

2015 **Ample Weil Divisors**, *Journal of Algebra*, Vol 347, pp 202-221.
with S. Urbinati

2014 **About a Minimal Model Program without flips**, arXiv:1410.6230.

2007 **Integrated predictive model for the fading of the radioactivity in the radiotherapy of patients with thyroid carcinoma**, *Presented at the V National Congress of the Aifm (Italian Association of Clynical Physics)*, Castelvecchio Pascoli, Italy.
with G. Santopolo, A. Chiecchio, M. Perusia, S. Balbis, D. Valente, F. Maimone, R. Pellerito