

# CURRICULUM VITAE ET STUDIORUM

of Francesco Pappalardi

## Personal Data:

*Birth:* Rome, May 21, 1965  
*Position:* Full Professor of Algebra  
*Address:* Dipartimento di Matematica e Fisica,  
Università Roma Tre,  
Largo S. L. Murialdo, 1  
I-00146, Roma (ITALIA)  
*Phone:* +39-06-57.33.82.43  
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*skype:* francesco.pappalardi  
*web:* <http://www.mat.uniroma3.it/users/pappa>  
*Home Address:* Via S. Jacini, 68,  
I-00191, Roma (ITALIA)  
*email:* [pappa@mat.uniroma3.it](mailto:pappa@mat.uniroma3.it)  
*Citizenship:* Italian  
*Research Interests:* Analytic Number Theory with Applications to Elliptic Curves and Cryptography

## Education:

3/1993	PhD in Math.	McGill University, Montréal (3-8/1989 Queen's University, Kingston (Ontario))
10/1988	Msc in Math.	Università "La Sapienza", Roma

## Fellowships and prizes:

1993	Dean's Honor List	PhD, McGill University
1992	Award	ISM (Institut des Sciences Mathématiques), Montréal
1991	Fellowship	CNR for Italians abroad
1990	Award	WUSC (World University service of Canada)
1989	Fellowship	McGill Steward fellowships for foreign students
1989	Fellowship	Queen's University Baumann fellowship
1988	Fellowship	CNR, for mathematics master students.

## Professional Experiences:

09/2016-	Full Professor	
2015-	ICTP consultant	
2014-	Individual member of the <i>International Center for Pure and Applied Mathematics</i> CIMPA	
2014-	<i>Centro di Ateneo per la Formazione degli Insegnanti delle Scuole</i> coordinator of the Applied Mathematics Class (A048)	
01/2002 – 09/2016	Associate Professor	Università Roma Tre
06/1995-12/2001	Assistant Professor	Università Roma Tre
7/1994-1/1996	Post Doc	European Commission Human Capital and Mobility, Université de Paris Sud - Orsay
1-7/1994	Post Doc	CNR (Consiglio Nazionale delle Ricerche), Università di Roma Tre
08-12/1993	Post Doc	CICMA, Concordia University, Montréal
1989-1993	Teaching Assistant	McGill University - Montréal
1-8/1989	Teaching Assistant	Queen's University - Kingston
1987-1988	Software Consultant	Italian Association Education to Sanitary Contraception - Rome
1986-1987	Software Consultant	Sistema Permanente Servizi srl - Rome
9-12/1987	Teacher of Math	High School Istituto Pio XII°, Rome

## Grants:

2012-2014	Team Member	<b>PRIN 2010-2011 (48.000€)</b> <i>"Geometria algebrica aritmetica e teoria dei numeri"</i>
2010-2011	Team Member	<b>PRIN 2008 (€19.500)</b> <i>"Problemi diofantei e analitici in Teoria dei Numeri"</i>
2007-2008	Team Member	<b>PRIN 2006 (€18.500)</b> <i>"Problemi diofantei e analitici in Teoria dei Numeri"</i>
2005-2007	Local Team Leader	<b>INTAS 03-51-5070</b> <i>"Analytical and Combinatorial Methods in Number Theory and Geometry"</i>
2005-2006	Team Member	<b>PRIN 2004 (€20.000)</b> <i>"Funzioni zeta e L e problemi diofantei in teoria dei numeri"</i>

- 2003-2004 Local Team Leader **Italy - México, Scientific and Technological Cooperation Project** "*I gruppi Kleiniani in dimensione alta e la teoria analitica delle frazioni egiziane*"
- 2003-2004 Team Member **COFIN 2002 (€22.000)** "*Funzioni zeta e  $L$  e problemi diofantei in teoria dei numeri*"
- 2000-2002 Team Member **COFIN 2000** "*GVA - Geometria delle varietà algebriche*"
- 2000-2003 Team Member **EUROPEAN Grant HPRN-CP-2002-00114** "*GTEM (Galois Theory and Explicit Methods in Arithmetic)*"
- 1997-1999 Local Team Leader **Bilateral agreement:** Roma TRE - Macquarie University
- 1996 Chief Investigator **Circ. CNR Po. 125.11** "*Programma di scambi internazionali per mobilità di breve durata*"
- 1994-1995 Chief Investigator **Human Capital and Mobility Contract number: CHBICT930706**  
"*The Lang Trotter conjecture for abelian varieties*"
- 1993- Group Member **GNSAGA** from INDAM.

### **Editor Service:**

- 2014-15 Editor *Proceedings of the Conference SCHOLAR in honour of Ram Murty*  
Contemporary Mathematics AMS | CRM, 2015
- 2012 Guest A special issue of *Journal of the Australian Mathematical Society* dedicated  
Editor to Alf van der Poorten Volume 92 - with Igor Shparlinski and Jeffrey Shallit
- 2003 Editor Atti della conferenza *Stato della Ricerca e Sviluppi Futuri* with F. Dramis,  
A. Gambacorta, R. Mignani, A. Trentalance. Aracne Editrice Roma 2003.
- 1996 Guest Proceedings of the "*Incontro Italiano Teoria dei Numeri*" with. A. Perelli  
Editor and C. Viola. Rend. Sem. Mat. Pol. Univ. Torino 53 No. 3-4 (1995)

## Organising Conferences, Schools, Workshops:

- 2017 CIMPA research school on *Artin L-functions, Artin's primitive roots conjecture and applications*, Nesin Mathematics Village, Şirince, Turkey, May 29<sup>th</sup>–June 12<sup>th</sup>.
- 2017 CIMPA research school on *Théorie Algébrique des Nombres et Applications & Cryptographie*, Université Félix Houphouët BOIGNY, Abidjan, Côte d'Ivoire, April 10<sup>th</sup>– 22<sup>nd</sup>
- 2016 *The Ninth International Conference on Science and Mathematics Education in Developing Countries Mandalay University*, Mandalay, The Republic of the Union of Myanmar, November 4<sup>th</sup> – 6<sup>th</sup>
- 2016 *Leuca2016*, Celebrating Michel Waldschmidt's 70th birthday June 13<sup>th</sup>–17<sup>th</sup>, Marina di San Gregorio, Patù (Lecce), Italy
- 2016 *CIRM Conference: Dynamics and Graphs over Finite Fields: Algebraic, Number Theoretic and Algorithmic Aspects*. Meeting organized with *Mei-Chu Chang* (University of California Riverside) *Joachim von zur Gathen* (University of Bonn) and *Alina Ostafe* (University of New South Wales). March 29 - April 2 Luminy
- 2016 *The Second Mini Symposium of the Roman Number Theory Association*, Università Roma Tre, April 26<sup>th</sup>
- 2015 *First Mini Symposium of the Roman Number Theory Association*, Università Europea di Roma, May 7<sup>th</sup>
- 2015 *Algebraic Structures, Cryptography, Number Theory and applications*. EMA African Mathematical School. Universidad de Cabo Verde, Praia April 13<sup>th</sup>–28<sup>th</sup>  
Member of Scientific Committee
- 2014 *NATO ASI, Ohrid 2014 Arithmetic of Hyperelliptic Curves* August 25<sup>th</sup>–September 5<sup>th</sup>, Ohrid, the former Yugoslav Republic of Macedonia (scientific committee)
- 2013 *SCHOLAR - a Scientific Celebration Highlighting Open Lines of Arithmetic Research in honour of Professor M. Ram Murty's mathematical legacy on his 60<sup>th</sup> birthday*, CRM Montréal, October 15<sup>th</sup>–17<sup>th</sup>
- 2013 CIMPA research school on *Algebraic curves over Finite Fields*, University of the Phillipines Dillman, Manila. July 22<sup>nd</sup>–August 2<sup>nd</sup>
- 2010 CIMPA research school on *Number Theory in Cryptography and Its Applications*, **ICM Satellite Event**, School of Science, Kathmandu University, Dhulikhel, July 12<sup>th</sup>–31<sup>st</sup>
- 2009 "*La Teoria dei Numeri*", Università Roma Tre, May 27<sup>th</sup>–29<sup>th</sup>

- 2002 *"Stato della Ricerca e Sviluppi Futuri"*, I primi 10 anni della facoltà di Scienze  
M.F.N., Università Roma Tre
- 1999 *"XXI Journées Arithmétiques"*, Vatican, July 12<sup>th</sup> –16<sup>th</sup>
- 1995 *"Incontro Italiano Teoria dei Numeri"* , Università Rome Tre, January 3rd –5th

### **Program Committees**

- 2008 International Workshop on the Arithmetic of Finite Fields *WAIFI08* Siena, Italy.  
July 6<sup>th</sup>–9<sup>th</sup>

### **Academic Visiting Appointments:**

- 2016 University of Lethbridge (Alberta). PIMS-Ulethbridge Distinguished Visitor  
Tribhuvan University (Kirtipur – Nepal)  
Saigon University (Ho Chi Minh City - Vietnam)
- 2015 Tribuvan University, Kirtipur (Nepal)  
National University of Mongolia, Ulan Batoor (Mongolia)  
Chinese Academy of Science, Beijing (China)  
Royal University of Phnom Penh (Cambodia)  
Can Tho University (Vietnam)
- 2014 Université de Lomé (Togo)  
University of Baghdad (Iraq)
- 2013 University of Dhaka (Bangladesh)  
Université de Lille 1 (France)  
Tribuvan University, Kirtipur (Nepal)
- 2012 KTH Royal Institute of Technology, Stockholm (Sweden)
- 2011 Eötvös Loránd University, Budapest (Hungary)  
Abdus Salam School of Mathematical Sciences, Lahore (Pakistan)  
Tribhuvan University, Kirtipur (Nepal)
- 2010 Harish Chandra Research Institute, Allahabad (India)  
Universidad Politécnica de Cataluña, Barcelona (Spain)
- 2009 Universidad Politécnica de Cataluña, Barcelona (Spain)  
Macquarie University, Sydney (Australia)
- 2008 Harish Chandra Research Institute, Allahabad (India)
- 2006 Université de Montréal (Canada)  
Queen's University, Kingston (Canada)  
Mysore University (India)  
Punjab University, Chandigarh (India)

- 2005 University of Missouri, Columbia (USA)  
 University of Arkansas, Fayetteville (USA)  
 Macquarie University, Sydney (Australia)  
 University of Pedagogy, Ho Chi Minh City (Vietnam)  
 University of Kathmandu (Nepal)  
 Université de La Polynésie Française, Thaiti (French Polynesia)  
 Instituto de Matemáticas UNAM, Campus Morelia (Mexico)  
 Harish Chandra Research Institute, Allahabad (India)
- 2004 Concordia University, Montréal (Canada)  
 Macquarie University, Sydney (Australia)  
 Kinki University, Iizuka, Fukuoka (Japan)
- 2003 Universiteit Leiden (Netherland)  
 University of Toronto (Canada)  
 Harish Chandra Research Institute, Allahabad (India)  
 Università Federico II, Napoli (Italy)
- 2002 Macquarie University, Sydney (Australia)  
 Harish Chandra Research Institute, Allahabad (India)  
 Université de Caen (France)  
 American University of Beiruth (Lebanon)  
 Concordia University, Montréal (Canada)
- 2001 Harish Chandra Research Institute, Allahabad (India)  
 Università G. d'Annunzio di Chieti-Pescara (Italy)  
 Universidad Politécnica de Cataluña, Barcelona (Spain)
- 2000 Macquarie University, Sydney (Australia)  
 Concordia University, Montréal (Canada)
- 1999 Concordia University, Montréal (Canada)  
 Macquarie University, Sydney (Australia)
- 1998 Concordia University, Montréal (Canada)  
 Università di Genova (Italy)
- 1997 Macquarie University, Sydney (Australia)
- 1996 Concordia University, Montréal (Canada)  
 Università di Genova (Italy)
- 1995 Concordia University, Montréal (Canada)
- 1993 University of Georgia, Athens (USA)  
 University of Vermont (USA)

### **Invited Talks at Conferences and Workshops:**

- 2015 *The Eighth International Conference on Science and Mathematics Education in Developing Countries* Yangon University, Myanmar December 4<sup>th</sup>-6<sup>th</sup>  
*Terzo Incontro Italiano di TEORIA DEI NUMERI* Pisa September 21<sup>th</sup>-24<sup>th</sup>  
*Number Theory and applications in Cryptography and Coding Theory. SEAMS school* University of Science, Ho Chi Minh, Vietnam August 31<sup>st</sup> - September 8<sup>th</sup>

- Numeri e Geometria* con Enrico Arbarello April 23<sup>rd</sup>. Matematici a Lavoro.  
Palazzo delle Esposizioni Roma
- Algebraic Structures, Cryptography, Number Theory and applications.* EMA  
African Mathematical School. Universidad de Cabo Verde, Praia April 13<sup>th</sup>–28<sup>th</sup>
- Yearly meeting of the Committee for Developing Countries of the European  
Mathematical Society.* Invited University of Oslo, Norway, April 10<sup>th</sup>–11<sup>th</sup>
- 2014 *CIMPA workshop in Number Theory* at Salahaddin University, Erbil  
Kurdistan/Iraq, December 1<sup>st</sup>–9<sup>th</sup>
- Short Course in Algebraic Number Theory (Fields, Units, Galois Groups)* ,  
Tribhuvan University, Kirtipur Nepal, October 24<sup>th</sup>–31<sup>th</sup>
- NATO ASI, Ohrid 2014 - Arithmetic of Hyperelliptic Curves*, August 25 -  
September 5, 2014, Ohrid, the former Yugoslav Republic of Macedonia
- Journée Internationale d'Arithmétique Cryptographie at Applications* UFRMI  
Université Félix Houphouët Boigny Cocody, July 24. Abidjan (Ivory Coast)
- CIMPA-ICTP-BENIN Research school Algebraic Number Theory and  
Application*, Institute of mathematics and physical Sciences (IMSP), July 7 – 19.  
Dangbo (Benin)
- Frobenius Distribution on Curves*, Centre International de Rencontres  
Mathématiques, February 17 - 22, Luminy (France)
- Chaire Jean-Morlet : Unlikely Intersections* Centre International de Rencontres  
Mathématiques , February 3 – 7, Luminy (France)
- 2013 *Analytic Theory of Automorphic Forms*, Chennai Mathematical Institute (CMI-  
IMSc), December 9–14, Chennai, (India)
- Meeting on Number Theory*, Max-Planck Institute for Mathematics MPIM,  
November 20–22, Bonn (Germany)
- 2nd International Conference in Mathematics and its Applications*, ICMA,  
October 23–24, Basrah, (Iraq)
- Special Semester Méthodes Arithmétiques et Applications*, Université de  
Franche-Comté, September 18–27, Besancon, (France )
- CIMPA-ICTP-UNESCO-MESR-MINECO-PHILIPPINES Research School  
Algebraic Curves over Finite Fields*, University of the Phillipines Dillman, July  
22 –August 2, Manila (Philippines)
- 2011 *International Meeting on Number Theory Celebrating the 60th Birthday of  
Professor R. Balasubramanian*, HRI , December 15–20, Allahabad (India)
- 2010 *Italy-India Conference on Diophantine and Analytic Number Theory*,  
Scuola Normale Superiore, March 8–14, Pisa (Italy)
- CIMPA research school *Number Theory in Cryptography and its Applications*,  
Kathmandu University, July 19–31, Dhulikhel (Nepal)
- CIMPA research school *Théorie des Nombres et Algorithmique*, University of  
Bamako, November 15–26, Bamako (Mali)

- 2009 *International Conference in Number Theory*, Kinki University, October 17–19, Iizuka, Fukuoka (Japan)
- 1st National School in Number Theory and Cryptography NSNTC*, University of Kathmandu, December 2009 – January 2010, Dhulikhel (Nepal)
- 2007 *International Conference on Number Theory and Smarandache Problems*, Weinan University, March 23–25, Weinan (China)
- Ecole d'Eté de Calcul Formel et Théorie des Nombres*, Faculté de Sciences de Monastir, August 27–September, Monastir (Tunisia)
- 2006 *Italian-Polish Number Theory Days*, Uniwersytet im. Adama Mickiewicza, May 17–20, Poznan, (Poland)
- Conference devoted to the Memory of Korobov*, Lomonosov State University, May 25–31, Moscow (Russia)
- WMC 2006, Workshop on Mathematical Cryptology*, University of Cantabria, June 29–30, Santander, (Spain)
- Mathematics and its Applications*, joint SIMAI, SMAI, SMF and UMI meeting Politecnico and Università di Torino, July 3–7, Torino (Italy)
- Analysis in Number Theory 2005-2006*, Centre de Recherches Mathématiques, Montréal (Canada)
- National Conference on Mathematical Foundations of Coding, Complexity, Computation and Cryptography*, Annual Tematic year in Coding Theory and Cryptography (IMI), Indian Institute of Science, July 20–22, Bangalore (India)
- 2004 *Workshop on Industrial Mathematics (IMATH)*, King Fahd University of Petroleum and Minerals, February 29 – March 2, Dhahran (Saudi Arabia)
- Seminario sulla sicurezza informatic*, Università di Campobasso, April 28, Campobasso (Italy)
- Analytic Number Theory and Surrounding Areas*, Research Institute of Mathematical Science (RIMS), October 18–22, Kyoto (Japan)
- 2003 *Conference in Honor of K. Ramachandra*, National Institute of Advanced Studies Bangalore, December 12–15, Bangalore (India)
- Secondo Convegno Italiano di Teoria dei Numeri*, Università di Parma, November 13–15, Parma (Italy)
- 2002 *Conference in Analytic Number Theory with Special Emphasis on L-functions*, Institute of Mathematical Sciences, January 1–4, Chennai, (India)
- Incontro Borsisti di Merito INDAM*, Università di Perugia, August 4–7, (Italy)
- 2001 *Finite Fields and Applications Meeting*, January 8–13, Oberwolfach (Germany)
- 1999 *Workshop on Cryptography and Computational Number Theory (CCNT'99)*, National University of Singapore, November 22–26, (Singapore)
- 1997 *Finite Fields and Applications Meeting*, January 20–25, Oberwolfach(Germany)



1995 *Convegno Giornate di Geometria Algebrica ed Argomenti Correlati III*,  
Università dell'Aquila, May 22–24, L'Aquila (Italy)

**Other Conferences/Workshops attended:**

- 2014 *Polynomials over Finite Fields: Functional and Algebraic Properties* Centre de  
Recerca Matemàtica, May 19 to 24, Bellaterra (Spain)
- 2013 *SCHOLAR - a Scientific Celebration Highlighting Open Lines of Arithmetic  
Research In honor of Ram Murty's 60th birthday*, Centre de Recherches  
Mathematiques (CRM), October 15–16, Montréal (Canada)
- CIMPA-UNESCO-MESR-MINECO-MONGOLIA School *Hypergeometric  
Functions and Representation Theory*, National University of Mongolia, August  
5–16, Ulaanbaatar (Mongolia)
- 3rd Atelier PARI/GP 2013*, Institut Mathématiques Bordeaux, January 14–18,  
Bordeaux (France)
- 2012 *International Number Theory Conference in Memory of Alf van der Poorten*,  
CARMA, University of Newcastle, March 12–16, Newcastle (Australia)
- 2011 *Arctic Number Theory School*, University of Helsinki, May 18–25 (Finland)
- 2009 *Advances in Mathematics Conference*, Nanyang Technological University, July  
20–22, (Singapore)
- 2008 NATO Advanced Study Institute *New Challenges in Digital Communications*,  
University of Vlora, April 28 – May 9, Vlora (Albania)
- 2003 *First Joint AMS-Indian Mathematical Society Meeting*. Indian Institute of  
Science, December 17–20, Bangalore (India)
- Conference in Number Theory in Honour of Professor H.C. Williams*, The Banff  
Centre, May 24–30, Banff (Canada)
- 2002 *CNTA-VII, Conference of the Canadian Number Theory Association*, May 19–25  
Montréal (Canada)
- 2000 Clay Mathematics Institute Introductory Workshop in *Algorithmic Number  
Theory*, MSRI, August 14–23, Berkeley (USA)
- Latin American Theoretical Informatics LATIN 2000*, April 10–14, Punta del Este  
(Uruguay)
- 1996 *CNTA-V, Conference of the Canadian Number Theory Association*, August 17–22  
Ottawa (Canada)
- 1993 *AMS-CMS International Joint Mathematics Meeting #883*, August 15–19, Van-  
couver (Canada)
- 1991 *CNTA-III, Conference of the Canadian Number Theory Association*, August 18–  
24, Kingston (Canada)

<b>Seminars and Conferences:</b>			
Australia (8)	Benin (3)	Cabo Verde (5)	Canada (>10)
China (3)	France (8)	French Polynesia (1)	Germany (4)
Japan (3)	India (>10)	Iraq/Kurdistan (9)	Ivory Coast (1)
Lebanon (2)	FYRO Macedonia (2)	Mali (4)	Mexico (1)
Mongolia (4)	Myanmar (1)	Nepal (>10)	Netherland (1)
Norway (1)	Pakistan (6)	Philippines (6)	Poland (1)
Russia (2)	Saudi Arabia (2)	Singapore (1)	Spain (3)
Sweden (1)	Togo (1)	Tunisia (1)	United States (6)
Vietnam (8)	Italy (>10)		

### **Referee:**

**Journals:** Acta Arimetica, Algebra and Number Theory, Bulletin of the London Mathematical Society, Mathematics of Computation, Discrete Mathematics, Rendiconti del Seminario Matematico del Politecnico e dell'Università di Torino, Finite Fields and their Applications, Journal of Number Theory, Bollettino del Unione Matematica Italiana, Rendiconti di Parma, Journal de Théorie de Nombre Bordeaux, Compositio Mathematica, The Arabian Journal for Science and Engineering, Proceedings of the AMS, Transactions of the AMS, Arkiv fuer Mathematics, Journal of Discrete Algorithms, Integers, Le Matematiche di Catania, Rendiconti dell'Istituto di Matematica dell'Università di Trieste, International Journal of Number Theory, Proceedings of Mathematical Sciences.

**Reviewer:** Mathematics Reviews, Mathematics of Computation (book review).

**Agencies:** NSA, Israeli Science Foundation, Commissione Scientifica Regione Calabria (Italy), Ministero Istruzione Università e Ricerca (MIUR), Natural Sciences and Engineering Research Council of Canada (NSERC), INDAM COFUND.

**Memberships:** Individual Member of the International Center for Pure and Applied Mathematica (CIMPA/ICPAM), 2014-

**Conferences:** SODA, WAIFI.

**PhD thesis referee:** Università Tor Vergata (2015) Università di Roma "Sapienza" (2014) Université de Lille 1 – France (2013), Burdwan University – India (2011-2010) Harish Chandra Research Institute – India (2006-2003), Universiteit Leiden – Netherland (2003)

### **Thesis Supervised:**

**Master:** 27 thesis since 2000 <http://www.mat.uniroma3.it/users/pappa/studenti.html>

**PhD:**

A. Susa	<i>Some analogous problem to Artin's conjecture (12/04/2006)</i>
G. Meleleo	<i>Questions related to Primitive Points on Elliptic Curves and Statistics for Biquadratic Curves over Finite Fields (8/05/2015)</i>
C. Pehlivan	<i>Some average results connected with reductions of groups of rational numbers (08-05-2015)</i>
L. Menici	<i>Higher rank Artin's Conjecture with weight and average results (26-04-2016)</i>
M. Anwar	in progress

## Teaching:

students evaluations in <http://www.mat.uniroma3.it/users/pappa/CORSI/corsi.html>

<b>at "Roma TRE"</b>	
1995/1996	Geometry 2 (Point set Topology); Linear Algebra
1996/1997	Calculus for Biologists; Geometry 2 (Point set Topology); Number Theory
1997/1998	Calculus for Biologists; first year Algebra; Number Theory
1998/1999	Multivariate Calculus for Physicists; Public key Cryptography (MA2)
1999/2000	Public key Cryptography (MA2); Finite Groups (AL5)
2000/2001	Public key Cryptography (MA2); Representations of finite groups (GE7)
2001/2002	Public key Cryptography (CR1)
2002/2003	Public key Cryptography (CR1); Galois Theory (TE1)
2003/2004	Analytic Number Theory (TN2); Introduction to Number Theory (TN1)
2004/2005	Elliptic curves Cryptography (CR3); Introduction to Number Theory (TN1); Galois Theory (TE1)
2005/2006	Introduction to Analytic Number Theory (TN2); Topology and Differential Geometry
2006/2007	Analysis for Physics Students; Galois Theory (TE1); Group Theory (AL9)
2007/2008	Public key Cryptography (CR1); Introduction to Analytic Number Theory (TN2)
2008/2009	First year Algebra (AL1); Elliptic curves Cryptography (CR3)
2009/2010	Second year Algebra (AL2); Galois Theory (TE1)
2010/2011	Second year Algebra (AL210); Number Theory (TN510)
2011/2012	Galois Theory (AL310); Public key Cryptography (CR410)
2012/2013	Analytic Number Theory (TN510); Public key Cryptography (CR410)
2013/2014	Elliptic Curve Cryptography (CR510); Public key Cryptography (CR410)
2014/2015	Elementary Number Theory (TN410); Public key Cryptography (CR410)
2015/2016	Number Theory (TN510); Elementary Number Theory (TN410)
2016/2017	Galois Theory (AL310); Elliptic curves over finite fields (CR510)
<b>at Roma Tor Vergata</b>	
1999/2000	Engineering Linear Algebra
<b>at Concordia</b>	
1993/1994	Several Variables Calculus and Differential Equations (EMAT 212/2)
<b>at McGill</b>	
1992/1993	Calculus I - Section A/B (189-120A/B)
1991/1992	Calculus I - Section A (189-120A)
1990/1991	Calculus I - Section A (189-150A)
1989/1990	Calculus I - Section A/B (189-150A/B)