

| Fall 2017 (weeks 37 - 51) Exams in weeks 2/3/4/5 2018 |        |        |               |   |                                       |    |
|---|--------|--------|---------------|---|---------------------------------------|----|
| provider  | place  | day    | time          | course  | lecturer(s)                           | EC |
| LNMB/4TU  | UU     | Monday | 11:00 - 12:45 | Discrete Optimization (week 37-51)                    | Uetz (UT?)                            | 6  |
| LNMB/4TU  | UU     | Monday | 13:15 - 15:00 | Continuous Optimization (week 37-51)                  | P. Dickinson (UT)                     | 6  |
| LNMB  | UU     | Monday | 15:15 - 17:00 | Heuristic Methods in Operations Research (week 37-51) | J. Hurink (UT) & M. Schutten (UT)     | 6  |
| DISC/4TU  | UU/ UT | Monday | 11:00 - 12:45 | Systems and Control (week 37-51)                      | J. Polderman (UT) & J. vd Woude (TUD) | 6  |
| Logica  | UvA    | Monday | 10:15 - 13:00 | Set Theory (week 37-51)                               | KP Hart (TUD) & B. Löwe (UvA)         | 8  |

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|---------|----|---------|---------------|---|-------------------------------------|---|
| NDNS+   | VU | Tuesday | 10:00 - 13:00 | Dynamical Systems (week 37-51)                  | B. Rink (VU) & A. J. Homburg (UvA)  | 8 |
| NDNS+   | VU | Tuesday | 14:00 - 16:45 | Partial Differential Equations (week 37-51)     | J. Hulshof (VU) & H.-J. Hupkes (UL) | 8 |
| Diamant | UU | Tuesday | 10:00 - 16:45 | Intensive Course Categories & Modules (week 37) | Edixhoven-Holmes-de Jeu-Kret        | 0 |
| Diamant | VU | Tuesday | 10:15 - 13:00 | M1: Algebraic Geometry 1 (week 38-51)           | B. Edixhoven (UL) & A. Kret (UvA)   | 8 |
| Diamant | VU | Tuesday | 14:00 - 16:45 | M1: Commutative Algebra (week 38-51)            | R. de Jeu (VU) & D. Holmes (UL)     | 8 |

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|------------|---------|-----------|---------------|---|--|---|
| GQT        | UU      | Wednesday | 10:00 - 16:45 | Intensive course Categories & Modules (week 37) | Edixhoven-Holmes-de Jeu-Kret                           | 0 |
| GQT        | UU      | Wednesday | 10:00 - 16:45 | Intensive reminder on Manifolds (week 37)       | Cavalcanti-Sagave                                      | 0 |
| GQT        | UU      | Wednesday | 10:15 - 13:00 | M1: Differential Geometry (week 38-51)          | G. Cavalcanti (UU)                                     | 8 |
| GQT        | UU      | Wednesday | 14:00 - 16:45 | M1: Algebraic Topology (week 38-51)             | S. Sagave (RU)   | 8 |
| GQT        | UU      | Wednesday | 10:15 - 13:00 | M2: Poisson Geometry (week 38-51)               | I. Marcut (RU) & Crainic (UU)                          | 8 |
| STAR       | UvA     | Wednesday | 10:15 - 13:00 | Asymptotic Statistics (week 37-51)              | B. Kleijn (UvA)  | 8 |
| STAR       | UvA     | Wednesday | 14:00 - 16:45 | Measure-theoretic Probability (week 37-51)      | S. Cox (UvA)   | 8 |
| STAR       | UvA/CWI | Wednesday | 14:00 - 16:45 | Machine Learning Theory (week 37-51)            | W. Koolen (CWI) & P. Grünwald (CWI) & R. de Heide (UL) | 8 |
| Num. Wisk. | UU      | Wednesday | 10:00 - 12:45 | Parallel Algorithms (week 37-51)                | R. Bisseling (UU)                                      | 8 |
| Num. Wisk. | UU      | Wednesday | 13:15 - 16:00 | Numerical Linear Algebra (week 37-51)           | G. Sleijpen (UU)                                       | 8 |
| Leraren    | UU      | Woensdag  | 18:00 - 20:45 | Fundamenten (leraren) (week 37-51)              | B. Edixhoven (UL) & ??                                 | 6 |

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|---------|----|----------|---------------|--|---|---|
| Wonder  | UU | Thursday | 10:15 - 13:00 | Advanced Algebraic Geometry: Algebraic Surfaces (GQT) (week 37-51)   | M. Kool (UU) & M. Shen (UvA)                                  | 8 |
| Wonder  | UU | Thursday | 14:00 - 16:45 | Advanced Combinatorics (DIAMANT) (week 37-51)                        | T. Müller (UU), R. Kang (RU), V. Patel (UvA) & G. Regts (UvA) | 8 |
| Wonder  | VU | Thursday | 14:00 - 16:45 | Advanced Hamiltonian Mechanics (GQT / NDNS+) (week 37-51)            | K. Efsthathiou (RUG)  | 8 |
| Wonder  | VU | Thursday | 14:00 - 16:45 | Discrete Choice Analysis: Theory and Application (STAR) (week 37-51) | E. Dugundji (CWI)   | 8 |
| Diamant | VU | Thursday | 10:15 - 13:00 | Algebraic Number Theory (week 37-51)                                 | B. de Smit (UL) & P. Stevenhagen (UL)                         | 8 |
| Logica  | RU | Thursday | 14:00 - 16:45 | Complexity Theory (week 37-51)                                       | S. Terwijn (RU)   | 8 |
| NDNS+   | VU | Thursday | 10:15 - 13:00 | Functional Analysis (week 37-51)                                     | D. Frey (TUD) & F. Genoud (TUD)                               | 8 |
| NDNS+   | VU | Thursday | 14:00 - 16:45 | Mathematical Biology (week 37-51)                                    | B. Planqué (VU) & S. Hille (UL)                               | 8 |
| Multi   | VU | Thursday | 10:00 - 12:45 | Forensic probability and Statistics (week 37-51)                     | R. Meester (VU) & K. Slooten (NFI)                            | 8 |

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|---------|-----|---------|---------------|---|--|---|
| Diamant | UvA | Friday  | 10:00 - 12:45 | Probabilistic and Extremal Combinatorics (week 37-51) | T. Müller (UU) & R. Kang (RU)                        | 8 |
| Leraren | UU  | Vrijdag | 10:00 - 12:45 | Stochastiek (leraren) (week 37-51)                    | E. Cator (RU) & C. Kraaikamp (TUD)                   | 6 |
| Leraren | UU  | Vrijdag | 14:00 - 16:45 | Meetkunde (leraren) (week 37-51)                      | G. Jeurnink (UT) & J. Spandaw (TUD) & H. Sterk (TUE) | 6 |

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| Diamant | online |  |  | Cryptology | T. Lange (TUE) | 5 |
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| Spring 2018 (weeks 6 - 21) Exams in weeks 23/24/25 |       |        |               |                                   |  |    |
|--|-------|--------|---------------|-----------------------------------|--|----|
| provider   | place | day    | time          | course                            | lecturers  | EC |
| 4TU  | UU    | Monday | 10:00 - 12:45 | Stochastic Differential Equations | W. Ruzsel (TUD) & P. Mandal (UT)                       | 6  |
| 4TU  | UU    | Monday | 13:15 - 15:00 | Applied Statistics                | P. Serra (TUE)   | 6  |
| 4TU  | UU/UT | Monday | 13:15 - 16:00 | Applied Finite Elements           | F. Vermolen (TUD) & J. vd Vegt (UT) & J. Maubach (TUE) | 6  |
| LNMB/4TU   | UU    | Monday | 11:00 - 12:45 | Scheduling                        | H. Hoogeveen (UU) & T. Vredeveld (UM)                  | 6  |
| LNMB   | UU    | Monday | 13:15 - 15:00 | Advanced Linear Programming       | L. Stougie (VU) & J.M. van den Akker (UU)              | 6  |
| LNMB/4TU   | UU    | Monday | 15:15 - 17:00 | Queueing Theory                   | J. Resing (TUE)  | 6  |
| DISC   | UU    | Monday | 13:15 - 15:00 | Dynamics of Networks              |  | 6  |
| Logica   | UvA   | Monday | 10:15 - 13:00 | Category Theory and Topos Theory  | J. van Oosten (UU)                                     | 8  |
| Multi  | UvA   | Monday | 14:00 - 16:45 | Quantum Computing                 | R. de Wolf (CWI)                                       | 8  |

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|---------|----|---------|---------------|---------------------------------|---|---|
| NDNS+   | VU | Tuesday | 10:15 - 13:00 | Nonlinear Waves                 | M. Chirilus-Bruckner (UL) & H.-J. Hupkes (UL) & A. Doelman (UL) | 8 |
| NDNS+   | VU | Tuesday | 14:00 - 16:45 | Inverse Problems in Imaging     | T. van Leeuwen (UU) & C. Brune (UT)                             | 8 |
| NDNS+   | VU | Tuesday | 14:00 - 16:45 | Continuum Mechanics             | M. Peletier (TUE) & J. Dubbeldam (TUD)                          | 8 |
| Diamant | UU | Tuesday | 10:15 - 13:00 | Modular Forms                   | S. Dahmen (VU) & P. Bruin (UL)                                  | 8 |
| Diamant | UU | Tuesday | 14:00 - 16:45 | Algorithmic Geometry of Numbers | D. Dadush (CWI) & L. Ducas (CWI)                                | 8 |
| Diamant | UU | Tuesday | 10:00 - 12:45 | Selected Areas in Cryptology    | B. de Weger (TUE) & J. Daemen (RU)                              | 8 |
| Diamant | UU | Tuesday | 14:00 - 16:45 | Elliptic Curves                 | M. Streng (UL) & M. Bright (UL)                                 | 8 |

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|------------|---------|-----------|---------------|---|--|---|
| GQT        | RU      | Wednesday | 10:15 - 13:00 | M1: Riemann Surfaces  | B. Moonen (RU)                                     | 8 |
| GQT        | RU      | Wednesday | 14:00 - 16:45 | M1: Operator Algebras   | Iba (RUN)  | 8 |
| STAR       | VU      | Wednesday | 10:15 - 13:00 | Stochastic Processes  | F. Spiekma (UL)                                    | 8 |
| STAR       | VU      | Wednesday | 14:00 - 16:45 | Time Series   | S. Gugushvili (UL)                                 | 8 |
| STAR       | VU      | Wednesday | 14:00 - 16:45 | Statistical Theory for High- and Infinite-Dimensional Models    | H. v Zanten (UvA)                                  | 8 |
| Num. Wisk. | UU      | Wednesday | 10:15 - 13:00 | Introduction to Numerical Bifurcation Analysis of ODEs and Maps | Y. Kuznetsov (UU)                                  | 8 |
| Leraren    | UU      | Woensdag  | 18:00 - 20:45 | Numerieke Methoden en Optimaliseren (leraren)                   | M. Anthonissen (TUE) & J. ten Thije Boonkamp (TUE) | 6 |
| Leraren    | UvA/UU? | Woensdag  | 18:00 - 20:45 | Analyse (leraren)   | J. Hulshof (VU) & J. Wiegerinck (UvA)              | 6 |

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|---------|-----|----------|---------------|--|---|---|
| WONDER  | VU  | Thursday | 10:00 - 13:00 | Percolation: from Introduction to Frontiers of Current Research (STAR) | R. vd Berg (VU)                                     | 8 |
| Diamant | TUE | Thursday | 14:00 - 16:45 | Coding Theory  | R. Pellikaan (TUE)                                  | 8 |
| Diamant | UvA | Thursday | 10:00 - 12:45 | Semidefinite Optimization  | M. Laurent (CWI) & E. de Klerk (UvT)                | 8 |
| Diamant | UvA | Thursday | 14:00 - 16:45 | Algorithms Beyond the Worst Case                                       | B. Manthey (UT) & D. Dadush (CWI) & N. Bansal (TUE) | 8 |
| GQT     | UU  | Thursday | 10:15 - 13:00 | M2: Algebraic Geometry 2   | C. Faber (UU) & R. de Jong (UL)                     | 8 |
| GQT     | UU  | Thursday | 14:00 - 16:45 | M2: Algebraic Topology 2   | I. Moerdijk (UU) & S. Sagave (RU)                   | 8 |
| GQT     | RU  | Thursday | 14:00 - 16:45 | M2: Foundations of General Relativity                                  | K. Landsman (RU)                                    | 8 |
| Logica  | RU  | Thursday | 10:15 - 13:00 | Discriptive Set Theory   | W. Veldman (RU)                                     | 8 |

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| Diamant | UvA | Friday  | 14:00 - 16:45 | Algebraic Methods in Combinatorics | T. Muller (UU), R. Kang (RUN), V. Patel (UvA) & G. Regts (UvA) | 8 |
| GQT     | UvA | Friday  | 10:00-12:45   | M1: Lie Groups and Lie Algebras    | E. vd Ban (UU)   | 8 |
| Leraren | UU  | Vrijdag | 10:15 - 13:00 | Geschiedenis (leraren)             | J. Daems (HU) & S. Wepster (UU)                                | 6 |
| Leraren | UU  | Vrijdag | 14:00 - 16:45 | Algebra/Getaltheorie (leraren)     | W. Bosma (RU) & J. Top (RUG)                                   | 6 |

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| Multi | UvA | Tuesday | 13:00-17:00 | Topology in Physics | H. Posthuma (UvA) & M. Vonk (UvA) | 8 |
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