Dorian J.P. desblancs

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**Master MVA Coursework:**

Note that the master MVA administration only selects the 8 best course grades for each student (each of these must be passed). It is very common for students to take more than 8 courses and gradually drop some over the course of the semester.

First Semester:

* Object Recognition and Computer Vision (Data / Modelling)
* Reinforcement Learning (Learning)
* Deep Learning (Learning)
* Convex Optimization, Algorithms and Applications (Learning)
* Probabilistic Graphical Models (Learning)
* Introduction to Digital Imaging (Data / Modelling)
* 3D Computer Vision (Data / Modelling)
* Computational Optimal Transport (Learning)
* Introduction to Medical Image Analysis (Data / Modelling)

Second Semester:

* Multi-Scale Models and Convolutional Neural Networks (Learning)
* Modelling in Neuroscience and Elsewhere (Learning)
* Deep Learning for Medical Imaging (Learning)
* Graphs in Machine Learning (Learning)
* Kernel Methods for Machine Learning (Learning)
* Audio Signal Analysis, Indexing and Transformations (Data / Modelling)

\* Courses that I am taking for credit.

\* Courses that I am auditing (not taking for credit).

**McGill University Coursework (Selected Subset):**

Mathematics:

* Linear Algebra (Math 223)
* Probability and Statistics (Math 323 and Math 324)
* Intermediate Calculus (Math 262)
* Discrete Structures (Math 240)

Computer Science:

* Brain-Inspired Artificial Intelligence (Comp 596)
* Applied Machine Learning (Comp 551)
* Computational Biology Methods and Research (Comp 561)
* Fundamentals of Computer Vision (Comp 558)
* Natural Language Processing (Comp 550)
* Computational Perception (Comp 546)
* Introduction to Robotics and Intelligent Systems (Comp 421)

Musical Science and Technology:

* Digital Audio Signal Processing (Mumt 501)