Collapse all

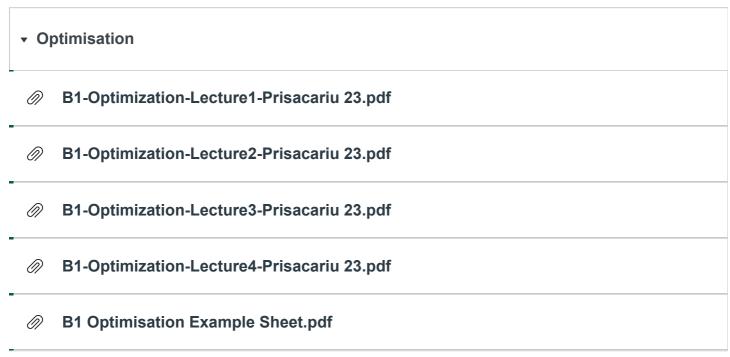
▼ B1 Projects		
∅ B1 Inspera submission guidance 2023-24.pdf		
Introductory Material		
Project A: Force on a Driven Lid over a Cavity		
<pre>Force_on_driven_lid_Slides.pdf</pre>		
∅ omega_v1.zip		
ProjectB: Optimization for Regression and Classification Models		
B1_projectB_optimization_slides.pdf		
∅ B1_project_B_code_unsolved.zip		
Project Report: LaTeX Template ☐ (https://www.overleaf.com/latex/templates/b1-mini-project-template-oxford-engineering-science/yhvwckswdvnr)		

▼ Numerical Algorithms

0. Start here		
B1 Numerical Algorithms Introduction Armour October2023.pdf		
1. a) Lecture Slides		
B1 Numerical Algorithms L1 Slides Armour October2023.pdf		
B1 Numerical Algorithms L2 Slides Armour October2023.pdf		
B1 Numerical Algorithms L3 Slides Armour October2023.pdf		
B1 Numerical Algorithms L4 Slides Armour October2023.pdf		
1. b) Panopto Lecture Recordings		
B1 Numerical Algorithms Lecture One		
B1 Numerical Algorithms Lecture Two ⟨https://ox.cloud.panopto.eu/Panopto/Pages/Viewer.aspx?id=1e23d1ff-7934-42af-adaa-b09f00e9d0f4)		
B1 Numerical Algorithms Lecture Three ⟨ (https://ox.cloud.panopto.eu/Panopto/Pages/Viewer.aspx?id=e05e001c-8b5e-49fb-83bd-b09f00e9d7a4)		
B1 Numerical Algorithms Lecture Four ⟨https://ox.cloud.panopto.eu/Panopto/Pages/Viewer.aspx?id=84017985-5c4d-4efc-b2d0-b09f00e9e025)		
2. Panopto Bonus Videos		
Panopto Playlist for Bonus Videos (https://ox.cloud.panopto.eu/Panopto/Pages/Viewer.aspx?pid=67e6554f-1f63-486a-9373-b0a10165de0e)		
3. MATLAB Codes		

0	B1_L1_Difference_Formula.m
<i>.</i>	B1_L1_derivative_2d.m
<i>.</i>	B1_L2_overfitting.m
<i>.</i>	B1_L2_Gradient_descent.m
<i>(</i>)	B1_L4_2D_wave_equation.m
<i>(</i>)	B1_QAPlus_Polynomial_Regression_using_Gradient_Descent.m
4. Use	ful Resources
c.C.	Numerical Methods in Engineering with MATLAB Jaan Kiusalaas. (https://www.cambridge.org/highereducation/books/numerical-methods-in-engineering-with-matlab/6C25A7D2943FB907D0014B5F3C79BE97#contents)
ç.	An Introduction to Numerical Analysis Endre Süli and David F. Mayers ☐⇒ (https://ebookcentral.proquest.com/lib/oxford/detail.action?docID=221072)
ē.	Elementary Numerical Analysis: An Algorithmic Approach S. D. Conte and Carl de Boor.
5. Cor	nputational Class
·	B1 Numerical Algorithms Computational Class Video
•	B1 Computational Class Questions 2023.pdf
<i>•</i>	B1 Computational Class Solutions 2023.pdf
• Ø	B1_CC_Q2_left_point_rule-1.m
<i>(</i>)	B1_CC_Q3_midpoint_rule-1.m

0	B1_CC_Q4_richardsons_method-1.m
0	B1_CC_Q5_predictor_corrector-1.m
0	B1_CC_Q5_shooting_method-1.m
0	B1_CC_Q6_Laplace_solver.m
6. Lec	ture Notes (A useful guide)
0	B1 Numerical Algorithms Notes OLD.pdf





0	Lecture 4.pdf
0	Problem Sheet.pdf
0	Student code.zip
0	OxPDE.pdf