

# Computational Tools and Recipes

## VT 2017 Course Schedule

### Course co-ordinator

Ross Church ([ross@astro.lu.se](mailto:ross@astro.lu.se), 046 222 1609)

### Course lecturers

P-ÅM: Per-Åke Malmqvist ([Per-Ake.Malmqvist@teokem.lu.se](mailto:Per-Ake.Malmqvist@teokem.lu.se))

C-CY: Chao-Chin Yang ([ccyang@astro.lu.se](mailto:ccyang@astro.lu.se))

RC: Ross Church ([ross@astro.lu.se](mailto:ross@astro.lu.se))

VV: Valera Veryazov ([Valera.Veryazov@teokem.lu.se](mailto:Valera.Veryazov@teokem.lu.se))

PB: Philipp Birken ([philipp.birken@na.lu.se](mailto:philipp.birken@na.lu.se))

Week	Lecturer	Topics	Date	Time	Room
12	P-ÅM	Introduction, numerical accuracy and errors	Tue 21 Mar	09.15-12.00	C
12	P-ÅM	Lab	Fri 24 Mar	14.15-17.00	L
13	C-CY	Interpolation and extrapolation	Tue 28 Mar	09.15-12.00	C
13	C-CY	Lab	Fri 31 Mar	14.15-17.00	L
14	C-CY	Differentiation and integration	<b>Thu 6 Apr</b>	09.15-12.00	C
14	C-CY	Lab	Fri 7 Apr	14.15-17.00	L
16	P-ÅM	Ordinary differential equations	Tue 18 Apr	09.15-12.00	C
16	P-ÅM	Lab	Fri 21 Apr	14.15-17.00	L
17	RC	Minimisation and maximisation (1)	Tue 25 Apr	09.15-12.00	C
17	RC	Lab	Fri 28 Apr	14.15-17.00	L
18	RC	Minimisation and maximisation (2)	Tue 2 May	09.15-12.00	C
18	RC	Lab	Fri 5 May	14.15-17.00	L
19	VV	Root finding	Tue 9 May	09.15-12.00	C
19	VV	Lab	Fri 12 May	14.15-17.00	L
20	PB	Fitting procedures and data modelling (1)	Mon 15 May	09.15-12.00	C
20	PB	Fitting procedures and data modelling (2)	Tue 16 May	09.15-12.00	C
20	PB	Lab	Fri 19 May	14.15-17.00	L
21	RC	Fast Fourier transforms (1)	Mon 22 May	09.15-12.00	C
21	RC	Fast Fourier transforms (2)	Tue 23 May	09.15-12.00	C
21	PB	Lab	Wed 24 May	14.15-17.00	L
22	RC	Lab	Mon 29 May	14.15-17.00	L
22	RC	Lab	Tue 30 May	14.15-17.00	L
22	RC	Lab	Wed 31 May	14.15-17.00	L
22	RC	Lab	Thu 1 Jun	14.15-17.00	L

C: Cassiopeia lecture room, Lund Observatory

A: Andromeda lecture room, Lund Observatory

L: Lyra computer room, Lund Observatory