

International Advanced Studies in Demography

IDEM <http://tinyurl.com/idemmpidr>

IDEM 186 - Comparative Approaches in Ecology and Evolution

Detailed course schedule

Organizer

Rob Salguero-Gómez (University of Sheffield, UK) – r.salguero@sheffield.ac.uk

Instructors:

- **SC** – Dr Scott Chamberlain (UC Berkeley, USA) - myrmecocystus@gmail.com
- **JMG** – Dr Jean-Michel Gaillard (CNRS, France) - jean-michel.gaillard@univ-lyon1.fr
- **KH** – Dr Kevin Healy (Trinity College Dublin, Ireland) - healyke@tcd.ie
- **OJ** – Dr Owen Jones (Southern Denmark University, Denmark) - jones@biology.sdu.dk
- **BK** – Prof Bruce Kendall (University of California Santa Barbara, USA) - kendall@bren.ucsb.edu
- **JK** – Prof Jitka Klimešová (Institute of Botany, Academy of Sciences, Czech Republic) - Jitka.Klimesova@ibot.cas.cz
- **JFL** – Dr Jean-François Lemaitre (CNRS, France) - jean-francois.lemaitre@univ-lyon1.fr
- **DL** – Prof Dmitrii Logofet (Russian Academy of Sciences, Russia) - danilal@postman.ru
- **IS** – Dr Iain Stott (Southern Denmark University, Denmark) - stott@biology.sdu.dk
- **AO** – Dr Alejandro Ordoñez (Aarhus University, Denmark) - a.n.ordonez@gmail.com
- **RSG** – Dr Rob Salguero-Gómez (University of Queensland, Australia) – r.salguero@sheffield.ac.uk
- **AS** – Dr Alexander Scheuerlein (MPI DR, Germany) - scheuerlein@demogr.mpg.de

The letters above correspond to the instructor in charge of a topic below

Detailed course schedule

Please note that the following is not set on stone. This is only meant as a guideline

Monday 25 April 2016

<i>Time</i>	<i>Leader</i>	<i>Activity</i>
9:00-9:10	RSG	Introduction of course and introduction to instructors
9:10-9:20	All	Who's who: intro to instructors and participants
9:20-9:30	RSG	Course expectations: IDEM & Rostock
9:30-10:30	IT	IT introduction and computer logistics in MPI DR

10:30-10:45		Coffee break
10:45-11:45	RSG & DL	Matrix population models
11:45-12:45	<i>All</i>	Exercises with matrix population models
12:45-14:00		Lunch break
14:00-14:45	RSG, OJ, IS	Transient dynamics and life history traits with matrices
14:45-15:45	<i>All</i>	Exercises on derivation of transients and life history traits
15:45-16:00		Coffee break
16:00-16:20	RSG, OJ	Intro to COMPADRE, COMADRE
16:20-17:00	<i>All</i>	Exercises on outputting from demographic databases
17:00-17.20	AS	Intro to DATLife
17.20-18.00	<i>All</i>	Exercises with DATLife
18:30:	Voluntary*	Leaving from MPIDR to welcome dinner
19:00-...	Voluntary*	Welcome dinner at L'Osteria . Located next to the Hotel Sonne.

*If you are not attending, please let Brigitte Daebeler know via email (Daebeler@demogr.mpg.de) so the reservation number can be changed accordingly.

Tuesday 26 April 2016

9:00-9:30	JMG	Fast-slow continuum of life history strategies
9-30-10.00	<i>All</i>	Exercises and discussion on fast-slow continuum
10.00-10.30	JFL	Intro to MALDABA
10.30-11.15	<i>All</i>	Exercises with MALDABA
11:15-11.30		Coffee break
11.30-12.00	BK	Stochastic dynamics and PVAs
12:00-12.30	<i>All</i>	Exercises with stochastic dynamics and PVAs
12:30-13:30		Lunch break
13.30-13.50	JK	Functional traits in plants: CLOPLA
13:50-14:30	<i>All</i>	Exercises with plant functional traits

14:30-15:00	AO	GBIF, IUCN and other global resources
15:00-15:15		Coffee break
15:15-15:45	All	Exercises with GBIF, IUCN, and other global resources
15:45-16:15	SC	Merging data: taxize and other packages
16:15-17:00	All	Exercises merging data
17:00-17:30	All	Discussion on group projects with the instructors

Wednesday 27 April 2016

9:00-9:45	<i>OJ, KH</i>	Intro to phylogenetic analyses
9:45-11:00	All	Exercises with phylogenetic analyses
11:00-11:15		Coffee break
11:15-11:45	<i>OJ, KH, IS</i>	Advanced phylogenetic analyses
11:45-12:30	All	Exercises with phylogenetic analyses
12:30-13:30		Lunch break
13:30-14:00	<i>AO</i>	Imputation of missing data
14:00-15:00	<i>SC</i>	Ten most common mistakes that I have done with big data
15:00-15:15		Coffee break
15:15-15:45	All	Working group discussion
15:45-17:30	All	Group projects

Thursday 28 April 2016

9:00-9:30	TBA	Module on interest group A
9:30-10:30	All	Group projects
10:30-10:45		Coffee break
10:45-12:30	All	Group projects

12:30-13:30		Lunch break
13:30-14:00	TBA	Module on interest group B
14:00-15:45	All	Group projects
15:45-16:00		Coffee break
16:00-17:30	All	Volunteers' presentations
Friday 29 April 2016		
9:00-9:30	TBA	Module on interest group C
9:30-10:30	All	Group projects
10:30-10:45		Coffee break
10:45-12:00	All	Volunteers' presentations
12:30-13:30		Lunch break
13:30-14:45	All	Group projects
14:45-15:00		Coffee break
15:00-17:00	All	Volunteers' presentations
17:00-17:30	Heiner Maier	Certification of IDEM course