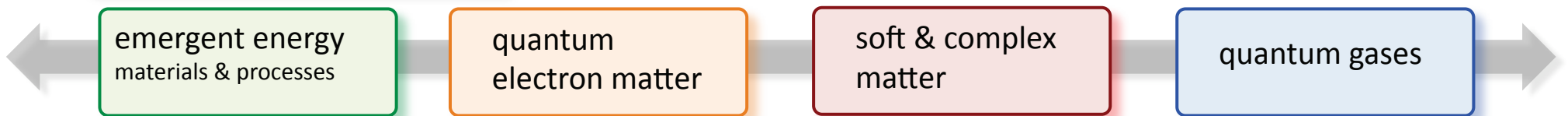


Advanced Matter & Energy Physics

starts Sept.
2010

- close connection to **top experimental physics research** in Amsterdam (UvA, VU and AMOLF)
- visible **study paths** for all students (whether from Amsterdam or elsewhere)

AMEP study-paths:



- students have a **staff tutor & desk in the research institute** / group from day 1
- **international experience** for MSc students as integral part of the programme
- **experimental signature**: project management, teams, experimental problem solving, large-scale facilities, modern technologies
- course designed to accommodate **two influx time-points per year**: September or February
- curriculum designed to enable **choices** from other physics MSc tracks

Questions ?



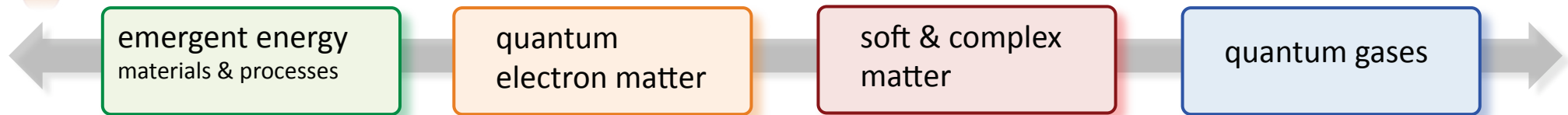
contact either Mark Golden (M.S.Golden@uva.nl) or Rinke Wijngaarden (rw@nat.vu.nl)

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Guide to this AMEP curriculum sketch:

- the two entry points: September & February are marked with red arrows
- study paths are colour coded, matching the colours below, and are aligned as columns

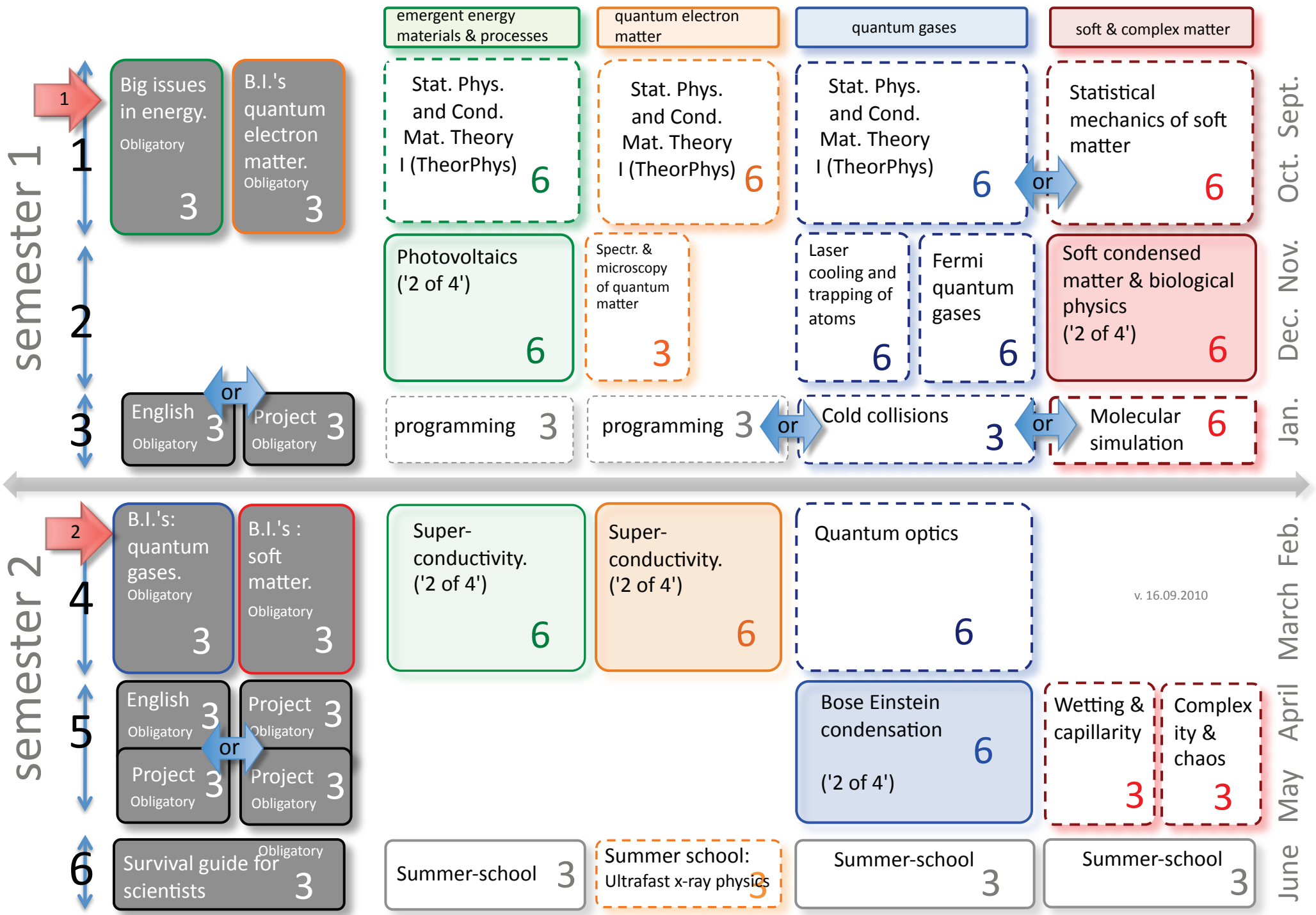


- obligatory modules are shaded grey; '2-out-of-4' choices and free choices are colour coded (2-out-of-4 have solid lines, free choice courses are outlined with dashed lines)
- Academic skills:
 - i) English
 - ii) Survival Guide for Scientists: module based on Ad Lagendijk's book (AUP), given by the author (www.sciencesurvivalblog.com/about-the-book)
- orientational projects can be 6EC or 2 x 3EC and some will contain elements of project management (on the job)

Questions ?



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semesters 3 & 4

Prep. research project & research plan. **6**

Research project. **48**
+ international experience

Thesis **4**

Colloquium **2**

EEM	QEM	SCM	QG
Osaka Caltech	large scale facilities (Berlin, Zürich, Stanford, Grenoble) Karlsruhe Tsukuba EPF Lausanne	ENS Harvard Oxford Tokyo UC Irvine NYU ETH UPenn Edinburgh large scale facilities (Hamburg, Grenoble)	MIT Harvard ETH Cambridge MPI-QO IFRAF-Paris

Questions ?



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