Kursnamn Light and confocal microscopy
Name of course

Omfattning (högskolepoäng) 3
ECTS credits

Tidsperiod October – December 2014
Course period

Antal platser 10
Maximum number of participants

Undervisningsspråk Engelska
Language of instruction

Kursens syfte samt motivering till varför den bör vara fakultetsgemensam (max 150 ord)
Aim of course and motivation as to why it should be considered “multidisciplinary” to the extent that the faculty should allocate extra financing.
The aim of the course is to give students in biology and related fields the theoretical and practical knowledge needed to perform microscopy analysis of their specimens with conventional light, fluorescence, and confocal microscopy.

Kursinnehåll, kursens uppläggning samt examinationsform (max 150 ord)
Contents, study format and form of examination
Introduction to optical theory as well as practical application of the theory for both conventional light microscopy and confocal microscopy. Overview of specimen preparation techniques.
The course will be predominantly practical with most time spent on work with own samples. Lectures introducing the necessary theory will precede the practical work.
Examination: Each participant will make a presentation of the work and results achieved during the course

Målgrupp/er (specifiera ämnen/inriktningar) samt rekommenderade förkunskaper
Target group/s (specify, if possible, subject/specialization) and recommended background
PhD students in biology, earth sciences and related fields
No special requirements

Huvudansvarig institution Evolutionsbiologiskt centrum
Department with main responsibility

Andra inblandade institutioner (specifiera hur).
Other departments involved (specify how).
Ev. Inst för immunologi, genetik och patalogi, undervisningsinsatser.

Kontaktperson/er (namn, e-postadress)
Contact person (name, e-mail address)
Stefan Gunnarsson, stefan.gunnarsson@ebc.uu.se

Anmälan om kursdeltagande till
Application from course participants should be sent to
Stefan Gunnarsson, ebc.uu.se/utbildning/doktorand/kurser/

Senast September 12th 2014
Not later than