

## **Elective courses -MSc Natural Resources Management**

### **Study plan 2011-2012**

#### **Elective Courses in Chemistry**

KJ 3053 Analytical Electrochemistry and its Application within Industrial and Environmental Monitoring (7,5 credits) Autumn

KJ 3055 Analytical Atomic Spectrometry (7,5 credits) Spring -\*

KJ 3056 Chemical Sensors and Biosensors (7,5 credits) Autumn

KJ 3070 Advanced Aquatic Chemistry (15 credits) Autumn

KJ 3071 Applied geochemistry (7,5 credits) Autumn

\* Teaching next time in 2013

#### **Elective Courses in Biology:**

BI2017 Genetics and Evolution I (7,5 credits) Spring \*

BI2043 Biodiversity and Conservation Biology I (7,5 credits) Autumn\*

BI3003 Faunistics II (7,5 credits) Autumn

BI3004 Behaviour and Conservation Biology (7,5 credits) Autumn

BI3005 Fish Behaviour and Ecology (7,5 credits) Spring\*\*

BI3010 Population Genetics (7,5 credits) Autumn

BI3032 Population Dynamics (7,5 credits) Spring

BI3051 Evolutionary Analyses (7,5 credits) Spring

BI3072 Environmental Toxicology (7,5 credits) Autumn

BI3082 Biodiversity and Conservation Biology II (7,5 credits) Autumn

BI3083 Evolutionary and Ecological Genetics (7,5 credits)

ZO2041 Ethology (7,5 credits) Spring \*

ZO3031 Behavioural Ecology (7,5 credits) Spring

ZO3032 Sexual Selection (7,5 credits) Spring\*\*

**\*BI2017 and BI2043 is mandatory in BSc Biology, NTNU and these students can't choose this elective course.**

**\*\* The course is not given in 2011/2012.**

#### **Elective Courses in Resource Geology:**

TGB4115 Mineral Deposit Geology (7,5 credits) Autumn

TGB4120 Prospecting and Formation of Selected Ore-Deposits (7,5 credits) Spring

TGB4135 Basin Analysis (7,5 credits) Spring

TGB4170 Diagenesis/Reservoir Quality (7,5 credits) Spring

TGB4175 Resource Geological Principles (7,5 credits), Autumn \*

TPG4177 Carbonate Reservoir Characterization (7,5 credits) Autumn

**\* The course is not given in 2010/2011.**

**Courses given at the Department of Geology and Mineral Resources Engineering are relevant for Master programme in Natural Resources Management, depending on the specific interests of each student. The courses should be chosen in collaboration with the professor who will be supervisor for the master thesis.**

**Elective Courses in Geography:**

GEOG3003 Methodology and the Research Process (7,5 sp) Autumn

GEOG3005 Qualitative Methods (7,5 credits) Spring

GEOG3006 Quantitative Methods (7,5 credits) Spring

GEOG3505 Landscape and Planning (15 credits) Autumn

GEOG3515 Environment, Development and Changing Rural Livelihoods (7,5 credits) Autumn

GEOG3519 Geographical Information System I (7,5 credits) Autumn

GEOG3520 Geographical Information System II (7,5 credits) Spring

GEOG3521 GIS, Urban Applications of GIS (7,5 sp) Autumn

**Other Elective Courses:**

SØK3524 Environmental and Resource Economics (15 credits) Autumn and Spring

POL3517 International development: The Effects of Politics, Institutions and International Economy (15 credits) Spring

FI5201 Multicultural Conflicts and Ethics, (15 credits/7,5 credits) Spring-

*It is also possible to choose other courses in addition to this list according to specific interest and in agreement with the supervisor and responsible Department.*

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