

## Block view of the study programme

Or Th Pr Au Cr

### Bloc 1 du programme de l'année

#### Compulsory courses

STFE2002-1 *Final work - COLLÉGIALITÉ* TA - - - **15**

*Notice* : This project must be related to a natural hazard within the student's competence

#### Multidisciplinary teaching related to natural hazards

Coordinator : Sébastien BRUNET

RISQ2000-1 *Introduction to natural hazards - Pierre OZER* Q1 6 6 - **1**

RISQ2001-1 *General methodology of risk analysis - Sébastien BRUNET* Q2 6 6 - **1**

ENVT0742-2 *Environmental problems - Marianne VON FRENCKELL* Q1 12 24 - **4**

#### Risk Analysis Tools

Coordinator : Pierre OZER

GEOG0024-4 *Remote Sensing - Yves CORNET, Antoine DENIS* Q1 12 24 - **3**

GEOG2000-1 *Introduction to the geographic information systems - Roland BILLEN, Pierre HALLOT* Q1 12 24 - **3**

RISQ2002-1 *Methodology for collecting and processing information applied to risk analysis* Q1 **5**

- *Analyse des systèmes et modélisation - Bernard TYCHON* 12 12 -

- *Instrumentation et capteurs en milieu naturel - Bernard TYCHON* 6 6 -

- *Traitement de l'information environnementale - outils statistiques et mathématiques - Bakary DJABY* 12 12 -

#### Tools to Manage Natural Risks and Help for Decision-making

Coordinator : Pierre OZER

ENVT0752-1 *Major risks : analysis, prevention, management - COLLÉGIALITÉ, Pierre OZER* Q2 12 12 - **2**

RISQ2011-1 *Education, awareness, communication - Marianne VON FRENCKELL* Q1 12 12 - **2**

RISQ2012-1 *Land Planning and Natural hazards Management - Pierre OZER* Q2 12 12 - **2**

ENVT0749-1 *Decision-making aid : methods of multicriteria analysis - JeanJacques BOREUX* Q1 12 12 - **2**

ENVT2064-1 *Conceiving of surveys and survey questions (part) - Thomas DOGOT* Q2 12 - - **1**

RISQ2013-1 *Multi-disciplinary workshops : seminars - COLLÉGIALITÉ* Q2 - 12 - **1**

#### Specialized teaching on natural hazards and their management

Coordinators : N..., Alain DASSARGUES

RISQ2010-1 *Integrated practical exercises - André OZER, Pierre OZER, Dominique PERRIN - [72h FW]* Q2 - - [+] **6**

#### Optional courses

##### Specialized teaching on the risks and their management

Coordinators : N..., Alain DASSARGUES

Choose courses totalling 12 ECTS from the following :

RISQ2005-1 *Natural hazards linked to atmospheric extremes and climate variability - Michel ERPICUM, Pierre OZER, Dominique PERRIN* Q2 18 18 - **3**

GRNA0016-1 *The agricultural and forestry production faced with natural hazards* Q2 **3**

	- <i>Ecosystèmes tropicaux</i> - JeanLouis DOUCET	12	-	-	
	- <i>Ecophysiologie végétale</i>	12	-	-	
	- <i>Protection des cultures</i> - Philippe LEPOIVRE - [5h SEM]	4	3	[+]	
RISQ2006-1	<i>Natural hazards linked to land degradation : soil erosion, desertification and agrometeorology</i> - Gilles COLINET, Pierre OZER, Bernard TYCHON	Q1	18	18	- 3
RISQ2007-1	<i>Hydrological hazards : floods, mudflows and groundwater overexploitation</i> - Alain DASSARGUES, Benjamin DEWALS, François PETIT	Q2	18	18	- 3
RISQ2008-1	<i>Geodynamic risks: seismic risks, volcanism, land movement or landslides, rockfalls, karstic risks</i> - HansBalder HAVENITH, Aurelia HUBERT	Q2	18	18	- 3
RISQ2009-1	<i>Natural hazards in coastal zones: coastal erosion, harbour protection, natural and induced subsidence, seawater intrusions, impact of climatic changes, tsunami</i> - JeanMarie BECKERS, Alain DASSARGUES, André OZER	Q2	18	18	- 3