

## Cycle view of the study programme

B1 Or Th Pr Au Cr

### Compulsory courses (B1 : 48Cr)

STFE2002-1	<i>Final work - COLLÉGIALITÉ</i>	B1	TA	-	-	-	<b>15</b>
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*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	<i>Introduction to natural hazards - Pierre OZER</i>	B1	Q1	6	6	-	<b>1</b>
RISQ2001-1	<i>General methodology of risk analysis - Sébastien BRUNET</i>	B1	Q2	6	6	-	<b>1</b>
ENVT0742-2	<i>Environmental problems - Marianne VON FRENCKELL</i>	B1	Q1	12	24	-	<b>4</b>

### Risk Analysis Tools

Coordinator : Pierre OZER

GEOG0024-4	<i>Remote Sensing - Yves CORNET, Antoine DENIS</i>	B1	Q1	12	24	-	<b>3</b>
GEOG2000-1	<i>Introduction to the geographic information systems - Roland BILLEN, Pierre HALLOT</i>	B1	Q1	12	24	-	<b>3</b>
RISQ2002-1	<i>Methodology for collecting and processing information applied to risk analysis</i>	B1	Q1				<b>5</b>
	- <i>Analyse des systèmes et modélisation - Bernard TYCHON</i>			12	12	-	
	- <i>Instrumentation et capteurs en milieu naturel - Bernard TYCHON</i>			6	6	-	
	- <i>Traitement de l'information environnementale - outils statistiques et mathématiques - Bakary DJABY</i>			12	12	-	

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

Coordinator : Pierre OZER

ENVT0752-1	<i>Major risks : analysis, prevention, management - COLLÉGIALITÉ, Pierre OZER</i>	B1	Q2	12	12	-	<b>2</b>
RISQ2011-1	<i>Education, awareness, communication - Marianne VON FRENCKELL</i>	B1	Q1	12	12	-	<b>2</b>
RISQ2012-1	<i>Land Planning and Natural hazards Management - Pierre OZER</i>	B1	Q2	12	12	-	<b>2</b>
ENVT0749-1	<i>Decision-making aid : methods of multicriteria analysis - JeanJacques BOREUX</i>	B1	Q1	12	12	-	<b>2</b>
ENVT2064-1	<i>Conceiving of surveys and survey questions (part) - Thomas DOGOT</i>	B1	Q2	12	-	-	<b>1</b>
RISQ2013-1	<i>Multi-disciplinary workshops : seminars - COLLÉGIALITÉ</i>	B1	Q2	-	12	-	<b>1</b>

### Specialized teaching on natural hazards and their management

Coordinators : N..., Alain DASSARGUES

RISQ2010-1	<i>Integrated practical exercises - André OZER, Pierre OZER, Dominique PERRIN - [72h FW]</i>	B1	Q2	-	-	[+]	<b>6</b>
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### Optional courses (B1 : 12Cr)

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

Coordinators : N..., Alain DASSARGUES

Choose courses totalling 12 ECTS from the following : (B1 : 12Cr)

RISQ2005-1	<i>Natural hazards linked to atmospheric extremes and climate variability - Michel ERPICUM, Pierre OZER, Dominique PERRIN</i>	B1	Q2	18	18	-	<b>3</b>
GRNA0016-1	<i>The agricultural and forestry production faced with natural hazards</i>	B1	Q2				<b>3</b>
	- <i>Ecosystèmes tropicaux - JeanLouis DOUCET</i>			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	B1	Q1	18	18	- 3
RISQ2007-1	<i>Hydrological hazards : floods, mudflows and groundwater overexploitation</i> - Alain DASSARGUES, Benjamin DEWALS, François PETIT	B1	Q2	18	18	- 3
RISQ2008-1	<i>Geodynamic risks: seismic risks, volcanism, land movement or landslides, rockfalls, karstic risks</i> - HansBalder HAVENITH, Aurelia HUBERT	B1	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	B1	Q2	18	18	- 3