## SUSTAINABLE WATER MANAGEMENT (SEPTEMBER START) (MSc/PgDip/PgCert)

## 57D443B1/61D443VX/62D443VZ

Duration: 12 months full-time or normally 24 months part-time (MSc)

Candidates shall be required to attend the following designated courses:

### **OPEN PATHWAY**

## **FULL TIME ROUTE**

<b>Stane</b>	1
Stage	- 1

PD5006	Getting Started at the University of Aberdeen (0 credit points)
GG5078	Hydrological Extremes under Global Change (15 credit points)
GG5079	Water in the Environment (15 credit points)

#### Plus **two** courses from the following:

GG5059	UAV Remote Sensing, Monitoring and Mapping (15 credit points)
GG5065	Introduction to GIS Tools, Techniques, Cartography and Geovisualisation (15 credit points)
GG5072	Sustainability Transitions – Challenges and Opportunities (15 credit points)
GL5059	Near Surface and Environmental Geophysics (15 credit points)

### Stage 2

GG5580	Integrated Water Resource Management (15 credit points)
GG5581	Sustainable Water Management in Scotland: Field Course (15 credit points)

## Plus two courses from the following:

GG5567	Catchment Management (15 credit points) Research Methods (15 credit points) Governance and Political Economy of Sustainability (15 credit points) Advanced Spatial Analysis and Programming (15 credit points) Partnerships for Sustainability (15 credit points)
Stage 3	

MSc Sustainable Water Management Dissertation (60 credit points)

### **PART TIME ROUTE**

## Year 1

GG5982

PD5006	Getting Started at the University of Aberdeen (0 credit points)
GG5079	Water in the Environment (15 credit points)
GG5580	Integrated Water Resource Management (15 credit points)

## Plus **one** course from the following:

GG5059	UAV Remote Sensing, Monitoring and Mapping (15 credit points)
GG5065	Introduction to GIS Tools, Techniques, Cartography and Geovisualisation (15 credit points)
	Sustainability Transitions – Challenges and Opportunities (15 credit points)
GL5059	Near Surface and Environmental Geophysics (15 credit points)

## Plus **one** course from the following:

EK5807	Catchment Management (15 credit points)
GG5516	Research Methods (15 credit points)
GG5557	Governance and Political Economy of Sustainability (15 credit points)
GG5567	Advanced Spatial Analysis and Programming (15 credit points)
GG5571	Partnerships for Sustainability (15 credit points)

### Year 2

GG5078	Hvdrological	Extremes u	nder Global	Change (	(15 credit points)
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Sustainable Water Management in Scotland: Field Course (15 credit points) GG5581

## Plus one course from the following:

GG5059	<b>UAV Remote Sensing</b>	. Monitoring and I	Mapping (15	credit points)

Introduction to GIS Tools, Techniques, Cartography and Geovisualisation (15 credit points)
Sustainability Transitions – Challenges and Opportunities (15 credit points)
Near Surface and Environmental Geophysics (15 credit points) GG5065 GG5072

GL5059

#### Plus **one** course from the following:

#### **Plus**

GG5982 MSc Sustainable Water Management Dissertation (60 credit points)

## **HYDROLOGICAL SCIENCES PATHWAY**

### **FULL TIME ROUTE**

### Stage 1

PD5006	Getting Started at the University of Aberdeen (0 credit points)
GG5078	Hydrological Extremes under Global Change (15 credit points)
GG5079	Water in the Environment (15 credit points)
GG5065	Introduction to GIS Tools, Techniques, Cartography and Geovisualisation (15 credit points)
GL5059	Near Surface and Environmental Geophysics (15 credit points)
Stage 2	

d Water Resource Management (15 credit p	oints)
ble Water Management in Scotland: Field C	ourse (15 credit points)
ent Management (15 credit points)	` ' '
d Spatial Analysis and Programming (15 cre	edit points)
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d Spatial Analysis and Programming (15 cre	ait points)

#### Stage 3

GG5982 MSc Sustainable Water Management Dissertation (60 credit points)

### **PART TIME ROUTE**

# Year 1

PD5006	Getting Started at the University of Aberdeen (0 credit points)
GG5078	Hydrological Extremes under Global Change (15 credit points)
GG5079	Water in the Environment (15 credit points)
GG5580	Integrated Water Resource Management (15 credit points)
GG5581	Sustainable Water Management in Scotland: Field Course (15 credit points)

#### Year 2

Tour Z	
GG5065 GL5059	Introduction to GIS Tools, Techniques, Cartography and Geovisualisation (15 credit points) Near Surface and Environmental Geophysics (15 credit points)
EK5807	Catchment Management (15 credit points)
GG5567	Advanced Spatial Analysis and Programming (15 credit points)

### Plus

GG5982 MSc Sustainable Water Management Dissertation (60 credit points)

## **WATER AND SOCIETY PATHWAY**

### **FULL TIME ROUTE**

Stage 1	
PD5006 GG5065 GG5072 GG5078 GG5079	Getting Started at the University of Aberdeen (0 credit points) Introduction to GIS Tools, Techniques, Cartography and Geovisualisation (15 credit points) Sustainability Transitions – Challenges and Opportunities (15 credit points) Hydrological Extremes under Global Change (15 credit points) Water in the Environment (15 credit points)
Stage 2	
GG5557 GG5580 GG5581 GG5571	Governance and Political Economy of Sustainability (15 credit points) Integrated Water Resource Management (15 credit points) Sustainable Water Management in Scotland: Field Course (15 credit points) Partnerships for Sustainability (15 credit points)
Stage 3	
GG5982	MSc Sustainable Water Management Dissertation (60 credit points)

## **PART TIME ROUTE**

GG5982

Year 1	
PD5006 GG5072 GG5079 GG5557 GG5580	Getting Started at the University of Aberdeen (0 credit points) Sustainability Transitions – Challenges and Opportunities (15 credit points) Water in the Environment (15 credit points) Governance and Political Economy of Sustainability (15 credit points) Integrated Water Resource Management (15 credit points)
Year 2	
GG5065 GG5078 GG5581 GG5571	Introduction to GIS Tools, Techniques, Cartography and Geovisualisation (15 credit points) Hydrological Extremes under Global Change (15 credit points) Sustainable Water Management in Scotland: Field Course (15 credit points) Partnerships for Sustainability (15 credit points)
Plus	

Assessment: By coursework, by written examination, or by a combination of these, as prescribed for each course. Please see individual course entries in the *Postgraduate Catalogue of Courses*, or departmental documentation, for further details.

MSc Sustainable Water Management Dissertation (60 credit points)