

## Liverpool John Moores University

Title: UAV Operations and the Law  
Status: Definitive  
Code: **7003DRO** (120980)  
Version Start Date: 01-08-2017

Owning School/Faculty: General Engineering Research Institute  
Teaching School/Faculty: General Engineering Research Institute

Team	Leader
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**Academic Level:** FHEQ7      **Credit Value:** 10      **Total Delivered Hours:** 20  
**Total Learning Hours:** 100      **Private Study:** 80

### Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	10
Seminar	10

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	OL-AS1	A 2000 word essay in which the candidate will be given a mission scenario and asked to carry out a legal and regulatory appraisal.	100	

### Aims

*To provide a comprehensive and in depth understanding of legal issues, relevant regulations and responsibilities relating to UAV operation. To give a sound current picture of the status of pan-European regulation. To present an awareness of the world-wide situation.*

## Learning Outcomes

After completing the module the student should be able to:

- 1 Expertly assess the legal and regulatory aspects of a planned UAV activity and where necessary be able to authoritatively recommend alternative compliant operational practices.
- 2 Supervise UAV operations confidently in compliance with legislation, regulation and published guidelines.
- 3 Demonstrate a deep and critical understanding of the implications of data and privacy legislation for UAV operations.

## Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Legal/regulatory assessment	1	2	3
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## Outline Syllabus

*The Air Navigation Order, its role and primacy in UK aviation law. Operation of UAV's in the context of general aviation law. The contents of CAP722 and CAP658 and how they affect UAV operation. The difference between SUA and SUSA operation. The primacy of the pilot – responsibilities under the law. Interpreting restrictions and "no fly zones" on Aviation Sector Charts. UAV operation and the UK-CAA. Nationally recognised qualifications. The UK-CAA's small RPAS regulations. The role of the Operations Manual. Content of a typical Operations Manual. The UK-CAA's "Permit for Aerial Work" system. The differences in legislation in other countries: Europe, the USA and Outside. The development of a European standardised legislation for UAV operation. The Riga Declaration. Role of JARUS and similar bodies. UAV's and "sensitive technology", restrictions on exportation etc. Transporting UAV's/batteries and the law. UAV's and data legislation. The impact of data protection and privacy laws.*

## Learning Activities

The module will be principally delivered by means of a series of lectures interspersed with seminars which will deal with a range of case studies and scenarios. Students will be required to undertake significant guided reading.

## Notes

This module provides a comprehensive coverage of the legal and regulatory factors involved in UAV operations

