

Law of Cybersecurity and Artificial Intelligence

Module title			
Cybersecurity and AI Law			
Module NFQ level (only if an NFQ level can be demonstrated)	Module number / reference	ECTS Value	Duration
Level 8 NFQ	LLBH – CAI	5 ECTS	One semester: 12 weeks.
Parent programme(s). Principal programme title, and embedded(s) if relevant		Stage of parent programme	Semester No.
Bachelor of Laws (Honours)		3	1 or 2
Bachelor of Laws (Honours) in Criminal Justice		3	1 or 2
Bachelor of Laws (Honours) in Commercial Law		3	1 or 2
Teaching and Learning modes	Proportion (% of Total Directed Learning)		
Classroom / Face to Face	19%		
Workplace			
Online			
Other (Identify)	81% (Independent Research and Learning)		
Entry requirements (statement of knowledge, skill and competence)			
Please see section 4.2 for full details of entry requirements.			
Maximum number of learners per instance of the module	Sixty (60)		
Average (over the duration of the module) of the contact hours¹ per week	2		
Pre-requisite module title(s) (if any)	None		
Co-requisite module title(s) (if any)	No		
Is this a capstone module? (Yes or No)	No		
Module-specific physical resources and support required per centre (or instance of the module)			
Requirements are for the lecturer to utilise a PC with Microsoft Office, Zoom and access to the internet through which an individual can gain access to the Griffith College student intranet: Moodle.			
Specification of the qualifications (academic, pedagogical and professional/occupational) and experience required of staff working in this module.			

¹ Effort while in contact with staff

Role e.g. Tutor, Mentor etc	Qualifications & experience required:	# of Staff with this profile (WTEs ²¹⁰)
Lecturer	Lecturers expected to hold at least a level 8 legal qualification, preferably with a professional legal qualification. It is an advantage to have completed the Certificate in Education, Learning and Development provided by Griffith College.	0.25 WTE

Analysis of required learning effort		
*Effort while in contact with staff	Minimum ratio teacher / learner	Hours
Classroom and demonstrations	1:60	24
Mentoring and small-group teaching	-	-
Other (specify)	-	-
Independent Learning		
Directed e-learning (hours)		-
Independent Learning (hours)		101
Other hours (specify)		-
Work-based learning hours of learning effort		-
Total Effort (hours)		125

Allocation of Marks					
	Continuous Assessment	Supervised Project	Proctored Practical Exam.	Proctored Written Exam	Total
Percentage Contribution	100				100%

6.7.1 Module aims and objectives

The aim of this module is to provide you with a detailed and comprehensive knowledge of the legal challenges related to Artificial Intelligence, with particular emphasis on the UK as well as current international agreements. This will provide you with the opportunity to develop your knowledge

² WTE is the whole-time equivalent number. The number 1 indicates a fulltime person fully dedicated to the programme.

¹⁰ .5 indicates a part-time person available to this programme half of the time.

surrounding how AI works, its role in society and how the law can regulate its use or how the law will incorporate the impact of AI into the pre-existing legal tests that currently exist. Another objective of this module is to familiarise learners with how AI will be impacting areas of law such as Intellectual Property Law. The module will also help the learner analysis new concepts such as rights of AI personhood. Finally, the module enables learners to employ research, analytical and communication skills to address hypothetical, factual scenarios.

6.7.2 Minimum intended module learning outcomes

On successful completion of this module, learners are able to:

- (i) Critically analyse the legal requirements for data protection and privacy, evaluate compliance obligations for organisations, and demonstrate an understanding of international cybersecurity laws and standards.
- (ii) Demonstrate proficiency in responding to cyber incidents, critically evaluate incident response plans and procedures, and articulate strategies for mitigating the impact of cybersecurity breaches on organisations.
- (iii) Evaluate cybersecurity risks facing organisations, demonstrate competence in developing risk management strategies, and critically assess compliance frameworks and their effectiveness in mitigating cyber threats.
- (iv) Critically analyse the intersection of law and technology in cybersecurity, evaluate the effectiveness of legal frameworks in addressing cyber threats, and articulate recommendations for policy reforms to enhance cybersecurity governance.
- (v) Demonstrate a comprehensive understanding of AI concepts and techniques, critically analyse AI applications across various domains, and articulate the potential societal impacts of AI technology.
- (vi) Evaluate the ethical dilemmas posed by AI technologies, critically analyse legal frameworks governing AI deployment, and articulate strategies for addressing bias, inequality, and ethical concerns in AI systems.
- (vii) Demonstrate proficiency in using AI-powered legal tools, critically evaluate the benefits and challenges of AI applications in legal services, and articulate strategies for integrating AI technologies into legal practice effectively.
- (viii) Evaluate existing laws and regulations governing AI deployment, propose regulatory reforms to address emerging challenges, and articulate the need for ethical guidelines and standards to govern AI development and deployment.

6.7.3 Rationale for inclusion of the module in the programme and its contribution to the overall MIPLOs

Cybersecurity and AI are new areas that are encroaching on different areas of pre-existing law as well as creating new fields for which the student can explore in this module. This module builds on the learner's knowledge from their Constitutional Law, Law of Tort, Intellectual Property Law and Land Law modules. The skills acquired through successful completion of the programme are transferable and relevant to lay a foundation to not only successfully progress to professional practice as a Barrister or Solicitor but also to other opportunities in business, commerce, politics or media.

The Module serves to directly underpin programme-learning outcomes (iii) conceptualising and communicating legal arguments with clarity and precision and (ii) demonstrating a critical awareness of the impact of the international legal environment in which the Irish Legal System operates. This module re-enforces the module learning outcomes (iv) critically analysing the theoretical and philosophical underpinnings of the law and (vi) effectively employ advanced research skills, including use of legal databases, to investigate, interrogate and critique the law. This module also directly underpins the Programme Minimum Learning Outcomes (i), (v), (ix) and (xi).

6.7.4 Information provided to learners about the module

The learners will have in their possession their Faculty Handbooks from their previous year. The Faculty Handbook provides general information about the faculty, its staffing, resources, and operation. Detailed programme information is supplied through Moodle, including copies of the approved module descriptors from the accredited programme (detailing related teaching, learning and assessment) along with a programme timetable. Another copy will be provided to the learners upon their request.

During the first class of the Module, learners are given a detailed outline of the Module showing the schedule of delivery and the dates when assignments are released and due for submission.

Moodle is used to provide learners with ongoing access to module related information, from the handbooks and module outlines provided in advance of the module commencement, the lecture material and links to related resources provided on a scheduled basis in line with the module delivery.

6.7.5 Module content, organisation and structure

The module is structured as follows:

Cybersecurity

- Legal Frameworks and Regulations related to Cybersecurity
- Cybersecurity Incident Response and Management.
- Cybersecurity Risk Management and Compliance
- Cybersecurity Law and Policy

Artificial Intelligence

- Fundamentals of Artificial Intelligence
- Ethical and Legal Implications of artificial intelligence (Automated Decision-Making, Bias Leading to Inequality, Legal Personhood, Contracts, Criminal Justice, Human Rights, Automated Vehicles, Property Rights and Intellectual Property Law)
- Artificial Intelligence in Legal Practice (LawTech)
- Regulatory Frameworks and policy issues

6.7.6 Module teaching and learning (including formative assessment) strategy

This module is delivered by means of participative lectures which consist of tutorial-style discussions, group work sessions and exercises. Formative assessment is provided through tutorial-style discussions, group work and exercises focus on specific case law and problem-based learning

requiring the learner to analyse the law and apply it to practical Administrative Law disputes or issues. The lectures are supplemented by structured on-line resources and reading.

In order to support learners through the exam process they engage in the answering of sample exam questions and correction of their own or peers' papers, thereby familiarising themselves with the module learning outcomes and marking criteria. Learners also engage in activities whereby they draft their own exam question in order to recap and reconsolidate a particular topic.

6.7.7 Work-based learning and practice-placement

Cybersecurity and AI Law is a class based 5 ECTS credit module and does not require work-based learning and practice placement.

6.7.8 E-learning

Moodle, the College Virtual Learning Environment is used to disseminate notes, advice, and online resources to support the learners. E-learning activities include learner feedback, forums where learners contribute, formative quizzes and video links. The learners will also have access to a number of other online resources through the library such as access to databases and research tools (Westlaw.ie, Westlaw.uk, JustisOne (vLex) and Hein Online) as well as access to online copies of books published from Bloomsbury Online.

6.7.9 Module physical resource requirements

Requirements are for the lecturer to utilise a PC with Microsoft Office, Zoom and access to the internet through which an individual can gain access to the Griffith College student intranet: Moodle. There are no further software requirements for this module. In relation to Microsoft Office the lecturer will require to use PowerPoint or Word to present the information to the learners. Zoom will be required in conjunction with Microsoft Office in order to record the lectures. Zoom will also be required for the seminars through which the module will be taught (block release).

6.7.10 Reading lists and other information resources

Primary reading

- *Jeff Kosseff, Cybersecurity Law, 3rd Edition (Wiley, 2022)*
- *Andrew Murray, Almost Human: Law and Human Agency in the Time of Artificial Intelligence (Asser Press, 2021)*
- *Lyria Bennett Moses & Janet Chan, Algorithmic prediction in policing: assumptions, evaluation, and accountability, (2018) 28 Policing and Society 806.*
- *Eric Topol, Deep Medicine: How Artificial Intelligence Can Make Healthcare Human Again (Basic Books, 2019)*
- *Joe Tomlinson, Justice in Automated Administration (2020) Oxford Journal of Legal Studies 40*
- *House of Lords, Select Committee on Artificial Intelligence, 'AI in the UK: Willing, Able and Ready' (HL Paper 100, April 2018)*
- *Matthew Channon, Kyriaki Noussia and Lucy McCormick, 'Law and Autonomous Vehicles' (Informa 2019)*

Secondary reading

- *The Law Commission project on the electronic signature of documents: available at <https://www.lawcom.gov.uk/project/electronic-execution-of-documents/>*
- *The Law Commission project on smart contracts: available at <https://www.lawcom.gov.uk/project/smart-contracts/>*

e-Resources

- *Bloomsbury Professional Online*
- *JustisOne – Vlex*
- *Westlaw.ie*
- *Westlaw UK*
- *Heinonline*
- *Griffith College Library Website*

6.7.11 Specifications for module staffing requirements

Lecturers qualified to at least a Level 8 legal qualification (LLB (Honours), preferably with a professional legal qualification and a third level teaching qualification (e.g. Certificate in Education, Learning and Development offered by Griffith College). Learners also benefit from the support of the Programme Director, Faculty Administrators, a dedicated Learning Technologist Office, and the Learning Supports Office, at least one Learner Representative for each Stage, the Students' Union and a free (off campus) Counselling Service.

6.7.12 Module summative assessment strategy

The following table indicates the module's learning outcomes' alignment with the assessment used for the module:

No.	Description	MIMLOs	Weighting
1	Assignment (1,000)	i, ii, iii, vi, v, vi	30%
2	Project (3,000 words)	i, ii, iii, vi	50%
3	Reflective Journal (750 words)	i - vii	20%

Reassessment/Repeat assessment strategy: Griffith College regulations state that learners must pass all component elements of the module to be deemed to have passed the module.

- In the event of a learner failing components of / this module, they will be required to submit a new individual repeat assignment which will be made available on Moodle to learners, and which must be submitted as per faculty instructions.
- In the event of a learner failing the group assessment element of this module, a new individual repeat assignment will be made available on Moodle to learners which must be submitted as per faculty instructions.
- In the event of the learner failing the exam, learners will take the re-sit exam at the next available sitting, details of which will be made available to learners via Moodle.

6.7.13 Sample assessment materials

Please see sample assessment supplementary document.