Football Technology and Innovation

Module Information

2022.01, Approved

Summary Information

Module Code	6301SPS
Formal Module Title	Football Technology and Innovation
Owning School	Sport and Exercise Sciences
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 6
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Sport and Exercise Sciences

Learning Methods

Learning Method Type	Hours
Lecture	22
Practical	16
Workshop	4

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	12 Weeks

Aims and Outcomes

Aims	In sports performance, and football in specific, scientists and practitioners use technology to monitor and test their players' performance. Technology can be useful to monitor the fitness of players, track player performance in the match, and support in decision-making around (but not limited to) player recruitment, talent development, and return to play. This module aims to develop an understanding of how technology and innovation support football scientists in the (daily) football setting. Students will develop skills to operate technology in a (field)lab setting. Students will develop a theoretical and practical understanding of the use of technology and innovation in football in the physiological, physical, biomechanical, and/or tactical performance domain.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Critically evaluate the use of technology in football to assess key performance indicators.
MLO2	2	Use technology in the football (field)lab competently.
MLO3	3	Analyse, present, and discuss technology and innovation in the football practice.

Module Content

Outline Syllabus	Technology in monitoring and testing Monitoring/testing in the (field)lab Performance analysis using football data Applications and innovations in football
Module Overview	
Additional Information	BUES mapped.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Centralised Exam	Individual Presentation	50	0	MLO1, MLO3
Report	Applied Report	50	0	MLO2, MLO3

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Sigrid Olthof	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings