

CADD06020 2022 Building Information Modelling With Revit Mep

Full Title	Building Information Modelling With Revit Mep			
Transcript Title	Bim With Revit Mep			
Status	IB - Uploaded to Banner Module Code CADD06020			
NFQ Level	06	ECTS Credits	10	
Subject Area	CADD - Computer Aided Design	Attendance	N/A %	
Grading Mode	Numeric/Percentage	Module Duration	Semester - (15 Weeks)	
Start Term	2022 - Academic year 2022-2023	End Term	9999 - The End of Time	
Module Leader	Paul Vesey	Department	D510 - Built Environment	

Module Description

To provide learners with the concepts, knowledge and techniques to successfully operate Revit MEP tools in a design and construction context.

⊫	Learning Outcomes On completion of this module the learner will/should be able to;
1.	Create and analyse duct layouts in Revit MEP
2.	Create and analyse Pipe Layouts in Revit MEP
3.	Create and Analyse Electrical Layouts in Revit MEP
4.	Co-ordinate Mechanical and Electrical Systems in Revit MEP

Indicative Syllabus

MEP workflow and establishing an appropriate workspace

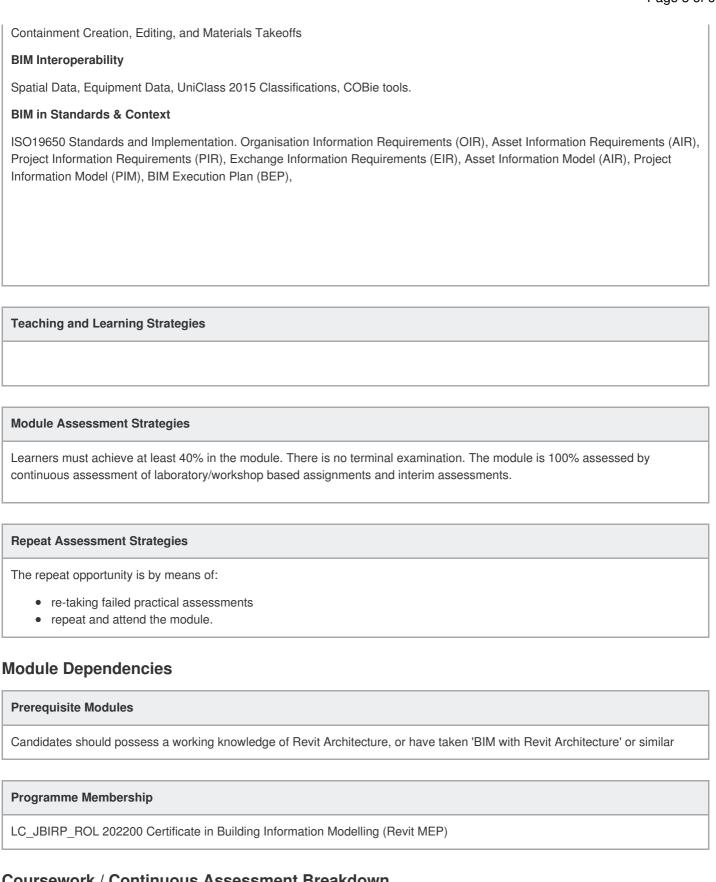
View Templates. Browser Organisation and Customisation, Systems Browser, Component Hosting

Pipe Systems & Duct Systems

Pipe system creation, Pipe types, Fitting types, System Presentation, Revit Pipe System Checker, and Pressure Loss reporting tool. Duct system creation, Duct inspector, System Presentation, Revit Duct System Checker and Pressure Loss reporting tool. Component Listing.

Electrical Systems

Simple Circuit Creation, Simple Switch System Creation, System Presentation, Panel Scheduling, Revit Circuit Checking.



Coursework / Continuous Assessment Breakdown

Coursework Assessment	& Continuous	100 %	End of Semester / Year Formal Exam	0 %	
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Coursework	ASSESSIIIEIII

Title	Туре	Form	Failed Element	Percent	Week	Outcomes Assessed
Duct System Design	Continuous Assessment	Individual Project	No	25 %	To be decided	1,4
Pipe System Design	Continuous Assessment	Individual Project	No	25 %	To be decided	2,4
Electrical System Design	Continuous Assessment	Individual Project	No	25 %	To be decided	3,4
MEP Co- ordination	Continuous Assessment	Individual Project	No	25 %	To be decided	1,2,3,4

Full Time Mode Workload					
Туре	Location	Description	Hours	Frequency	Avg Workload
Laboratory Practical	Computer Laboratory	Lab Based Teaching	3	Weekly	3.00
Independent Learning	Not Specified	Self Directed Learning	60	Per Module - Semester	4.00
Directed Learning	Not Specified	Directed Learning	40	Per Module - Semester	2.67

Total Full Time Average Weekly Learner Contact Time 5.67 Hours

Module Resources

URL Resources

http://www.autodesk.com/education/home

http://www.nationalbimlibrary.com/

http://www.revitcity.com/

https://www.bimstore.co.uk/

http://www.polantis.com/

Other Resources

Software:

Latest Edition of Autodesk Revit MEP

Journals:

Computer Aided Geometric Design ISSN 0167-8396

Computer Aided Design ISSN 0010-4485

The Journal of Architecture ISSN 1360-2365

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Additiona	ai into	rmation

None

Recommended Book List

Cover	Book Details
	Whitbread, S., (2015). Mastering Autodesk Revit MEP 2016: Autodesk Official Press Sybex.
Among Fact Aff	McCann, M., (2016). Revit MEP Essentials - McCann's Training Guide (Building Information Modelling Training Guides) McCann's BIM Guides. ISBN 0995483108 ISBN-13 9780995483101
ANGERT MANUEL MA	, A., (2016). Autodesk Revit 2017 (R1) MEP: Fundamentals - Metric: Autodesk Authorized Publisher . ASCENT, Center for Technical Knowledge. ISBN 1943184453 ISBN-13 9781943184453
ANCIHS MIRESCOTT ANNIH	, A., (2016). Autodesk Revit 2017 (R1) BIM Management: Template and Family Creation - Metric: Autodesk Authorized Publisher ASCENT, Center for Technical Knowledge. ISBN 1943184496 ISBN-13 9781943184491
Name of Administration of the Control of the Contro	Tickoo, P., (2015). Exploring Autodesk Revit MEP 2016, 3rd Edition . CADCIM Technologies.
And the state of t	Publisher, A., (2017). Autodesk Revit 2018 MEP Fundamentals - Metric . ASCENT, Center for Technical Knowledge. ISBN 1946571539 ISBN-13 9781946571533

Administratve Information		
Date Created	28-05-2021	
Module Owner	Paul Vesey	
Date School Approved	18-05-2022	
Module Approver	Ciara Moloney	
Date Academic Council Approved	18-05-2022	