

**Course Code:**

PEMAC12

**1. Course Title:**

Energy, Comfort and Health

**2. Academic Session:**

2011/12

**3. Level:**

SCQF 11

**4. Credits:**

15

**5. Lead School/Board of Studies:**

Mackintosh School of Architecture

**6. Course Contact:**

Tim Sharpe

**7. Course Aims:**

To explore how design can be used to reduce energy use whilst providing comfortable healthy environments for building occupants.

**8. Intended Learning Outcomes of Course:**

By the end of the course students should be able to:

- Understand the key parameters for energy consumption and environmental quality
- Be able to identify design strategies for buildings that attempt to enhance these qualities;
- Be able to explore and propose design solutions that meet both energy and occupants demands
- Organise and conduct a project using these techniques effectively.

**9. Indicative Content:**

The course will utilise information emerging from MEARU research projects.

**10. Description of Summative Assessment:**

Students will be required to submit a study that examines how energy comfort and health can be addressed in design.

**10.1 Please describe the Summative Assessment arrangements:**

The portfolio will be assessed against all of the learning outcomes for the course.

**11. Formative Assessment:**

Formative feedback is given regularly throughout the course.

**11.1 Please describe the Formative Assessment arrangements:**

Weekly, based on work presented for discussion and review.

**12. Collaborative:**

Yes

No

**12.1 Teaching Institutions:**

[Click here to enter text.](#)

**13. Requirements of Entry:**

None

**14. Co-requisites:**

None

**15. Associated Programmes:**

This is a cross-GSA elective, open to all PGT students.

**16. When Taught:**

Stage 2

**17. Timetable:**

Wednesdays 10am-12pm

**18. Available to Visiting Students:**

Yes

No

**19. Distance Learning:**Yes No **20. Placement:**Yes No **21. Learning and Teaching Methods:**

Method	Formal Contact Hours	Notional Learning Hours (Including formal contact hours)
Lecture		
Studio		
Seminar/Presentation	4	4
Tutorial	1	1
Workshop	4	2
Laboratory work	6	8
Project work		100
Professional Practice		
E-Learning / Distance Learning		
Placement		
Examination		
Essay		
Private Study	Not Applicable	35
Other (please specify below)		
<b>TOTAL</b>	<b>15</b>	<b>150</b>

**22. Description of "Other" Teaching and Learning Methods:**

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**23. Additional Relevant Information:**

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**24. Indicative Bibliography:**

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