

Training Providers Information about BER Assessor Training Course¹

1. Institution and Course Details			
Name of Institution:	Renewable Energy Skills		
Registration Address:	2 Mungret Street Limerick Co Limerick		
Course Delivery Location(s) (if different from the above):	Listowel, Co Kerry, Mountrath, Co Laois, Ennis, Co Clare. As Renewable Energy Skills has a national membership other locations will be added		
Web Site:	www.renewableenergy.ie		
email:	info@renewableenergy.ie		
Telephone:	061 514 598		
Fax:	061 749 851		
Course Manager:	Dick Whelan		
Contact for Course Information:	Tanya Guseynova		
Max no of students in class:	12 Students (average 8 students)		
Course Cost:	€1,300 (€1,200 for members)		
2. Course Duration			
Elapsed Course Duration:	5 weeks (3 x two day modules) Between each module there will be a minimum of one week to allow students complete assignments.		
Contact Time (Module 1):	14 Hours	Contact Time (Module 2):	28 hours excluding exam
Learning Hours:	Estimated between 40 hours and 50 hours depending on knowledge and experience		
3. Brief Notes about Trainers			
<p>Paul Gallagher has over 5 years experience as BER assessor, Paul is also currently self employed in consultant engineering designing, installing and commissioning renewable energy systems for residential and business sectors.</p>			
4. Admissions Policy			

¹ Please see notes below.

The minimum prequalification requirement set in the Specification for Assessor Training Programmes for Building Energy Rating (BER) of New and Existing Dwellings is a National Certificate Level 6 Advanced Certificate/Higher Certificate in construction studies or other cognate discipline or equivalent. Equivalence may be determined as a combination of an appropriate construction-related qualification and significant relevant experience.

5. Examination Policy

All examinations are carried out in accordance with the National Awards Bodies' regulations

criteria:

- Minimum Assignments (x4) 50% of total marks
- Examination 50% of total marks

Learners must achieve a minimum of 70% in each assignment and in each individual section of the examination in order to be eligible to become a registered BER assessor for dwellings.

Assignments marks must be follows;

- Assignment 1: 10% (after day 2)
 - *U values*
- Assignment 2: 15% (after day 2)
 - ***assessment from plans and specifications and achieving a specified improvement***
- Assignment 3: 15% (after day 4)
 - ***BER of an existing dwelling (selected from training provider)***
- Assignment 4: 10% (after day 4)
 - ***BER of an existing dwelling (selected from student)***

Examination

- Short answer question 10 % of total mark
 - *10 question understanding DEAP methodology*
- Practical examination 40 % of total marks
 - *Using the DEAP Software package and producing BER label and advisory report*

In addition to the assignment procedure:

At the end of each day there will be a short internal examination. This examination will be group work and an individual test for each trainee. Also there will be some practical aspects of blower door measurements and thermo graphic pictures.

6. Training Materials

Power point presentation of 14 lessons based on SEI recommendation.

- Lesson 1 Building Energy Rating EU and National law
- Lesson 2 Fundamentals (energy related topics, maths, physics, chemistry)
- Lesson 3 Overview of possible tools for building energy rating
- Lesson 4 Data gathering in existing and new buildings
- Lesson 5 Building Construction and Lighting Assessment
- Lesson 6 Building Energy Performance - Fabric and Ventilation Systems
- Lesson 7 Building constructions, Materials and Designs
- Lesson 8 Heating and domestic water system (fossil, renewable, others)
- Lesson 9 Space/Domestic Hot Water, Heating Systems and their Controls
- Lesson 10 Overall Energy Performance, CO2 emissions and BER Labels
- Lesson 11 Practical aspects of BER (measurement, blower door, thermo graphic pictures and calculations HARP database)
- Lesson 12 Advisory Reports for New Dwellings and existing dwellings
- Lesson 13 New Dwellings, existing buildings and commercial buildings practical calculations in groups with different outcomes and there explanations
- Lesson 14 Final exams

Examples: Calculation examples of different buildings

In addition there will be some practical aspects of blower door measurement and housing leakages and calculations, also thermo graphic pictures and measurement on building. Another aspect will be the physical and chemical background of building materials.

Further materials for students:

- TGD
- DEAP Software package version 3 for download
- Handbook DEAP Software package
- U value Excel sheet calculations
- Information of building materials
- Mathematical, chemical and physical information of building materials and other important aspect in building practice
- Renewable energy systems for domestic houses
- Energy related information (different fuels and physical aspects)
- Measurement techniques in existing building (data gathering in examples)
- Measurement techniques (temperature, U values, distances, flow, Energy, blower door, thermo graphic pictures)

7. After Care

Renewable Energy Skills is an industry led network which provides support to members through shared learning opportunities and activities. RES is FETAC accredited and trainees are encouraged to contact us with any feedback. info@renewableenergy.ie or 061 514 598

Notes

Elapsed Time	The no of days from first to last lecture (not including examination).
Contact time	The number of days/ hours that the student will attend the course.
Learning Hours	The number of hours that the provider expects learners to devote to the course including home study and direct contact learning but excluding examination time.
CV(s) of Trainers	Brief statement of the qualifications, teaching experience and energy/ building/ construction experience of the trainers
Admissions Policy	Minimum qualification level required of course participants and the validation method.
Examination Policy	Statement of how the examinations are structured, when they take place, and the institution's policy in respect of repeats
Training Materials	Description of the materials provided to the learners.
Course Cost:	The standard charge to course participants
After Care	The facilities, if any, provided to learners after they have completed the course.