

# Engineering Courses

## Demolition Safety Officer Course No: 410/089

Aim of Course	Outline of Syllabus	Remarks
<p>To train students in the rules, procedures and responsibilities of the officer in charge of planning and executing military tasks and training using explosive.</p>	<p>Training is based on the assumption that some or all of the students will not have handled explosive before. Course content includes:</p> <ul style="list-style-type: none"> <li>• Safe use of explosive including:               <ul style="list-style-type: none"> <li>• Explosive theory and the theory of initiation</li> <li>• Use of explosives, accessories and equipment</li> <li>• Safety precautions and procedures.</li> </ul> </li> <li>• Safe detonation of explosive involving:               <ul style="list-style-type: none"> <li>• Preparation of initiation sets and circuits</li> <li>• Initiation of firing circuits.</li> </ul> </li> <li>• Supervision and conduct of Battle noise Simulation (BATSIM) using explosive covering:               <ul style="list-style-type: none"> <li>• BATSIM techniques, including safety rules and precautions</li> <li>• Preparation and firing of BATSIM charges</li> <li>• Reconnoitring, planning and safely carrying out BATSIM using explosive.</li> </ul> </li> <li>• Planning and carrying out tasks using explosive entailing:               <ul style="list-style-type: none"> <li>• The duties and procedures involved</li> <li>• Reconnaissance and planning</li> <li>• Charge calculations and the effects of explosive</li> <li>• Destroying misfires and using explosive</li> <li>• Explosive Methods of Entry</li> <li>• Track cutting.</li> </ul> </li> </ul>	<p>The Course is run by the Battlefield Engineering Wing (BEW) of the Royal School of Military Engineering (RSME)</p>

Rank Range	Entry Standards	Duration	Qualifications gained	Frequency
Sergeant and above	<p>Students must:</p> <ul style="list-style-type: none"> <li>• Have a good understanding of written and spoken English.</li> </ul> <p>Be one of:</p> <ul style="list-style-type: none"> <li>• A military engineer SNCO with an advanced combat engineer qualification.</li> <li>• A military Warrant Officer (WO) or officer.</li> <li>• A civilian with the status and experience of a WO or above.</li> </ul>	5 days	<p>There are eleven assessments, tests and examinations:</p> <ul style="list-style-type: none"> <li>• Three planning exercises, each assessed practically.</li> <li>• Two practical assessments; one on exercise the other a demolition range day.</li> <li>• Two practical tests; one on fault finding and one on misfires.</li> <li>• Three written examinations.</li> </ul>	3 courses per year

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