# CPRE Advanced Level
## Requirements Modeling

### Target group
The CPRE Advanced Level module Requirements Modeling is addressed to professionals from Requirements Engineering, Business Analysis, Business Engineering, Organizational Design, etc., who have the CPRE Foundation Level certificate and want to improve their knowledge acquired in the sub-discipline of requirements modeling.

### Prerequisites
CPRE Foundation Level (FL) certificate

The BCS (British Computer Society) Requirements Engineering certificate is recognized as being equivalent to the CPRE FL certificate.

### Content of the module
The scope and complexity of software-based systems is constantly increasing. This results in an increasing number of requirements. The mere specification in natural language, i.e. as textual requirements, does not satisfy these challenges any longer.

Therefore, the graphical modeling of requirements becomes more and more important, as such models offer many benefits: They are easier to read, help to manage complexity, can be automatically analyzed and continuously used in the development process.

The Advanced Level Requirements Modeling focuses on graphical models when used for the development of requirements with regard to extensive and complex systems.

This module imparts how to:

- describe user functions and the corresponding system behavior, to detail requirements in an unambiguous and well-readable manner,
- specify information structures and concepts simply, understandably and unambiguously,
- apply modeling views for software-based systems to master the requirements,
- supplement textual requirements with graphical models in a practical way.

The Advanced Level Requirements Modeling provides the know-how to specify requirements in high quality for extensive and complex systems, using standardized and popular modeling languages.
## Exam

The examination consists of two parts:

- **Written examination**
  - Multiple choice test

- **Written assignment**
  - The written assignment must represent a realistic project situation from the candidate's working environment. It must demonstrate that the candidate is capable to apply the acquired elicitation knowledge.
  - For the completion of the written assignment, the candidate should invest the equivalent of two working days.

For details see [Advanced Level examination regulations](#).

## Validity of the certificate

Without time limit, worldwide recognized

## Costs

Enquire about the exact price for training courses and exams at training providers or certification bodies; as per standard ISO/IEC 17024:2012 the IREB is involved neither in the delivery of training courses nor in the certification process itself.

## Training providers

The training providers recognized by IREB are listed on the IREB website: [Training/Training Providers](#)

## Certification Bodies

The certification bodies licensed by IREB are listed on the IREB website: [Exams/Certification Bodies](#)

## Languages

English, German

## Questions to

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