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MATH2395 Mathématiques discrètes - structures combinatoires

[30h] 3 credits

This course is not taught in 2004-2005

This course is taught in the 2nd semester

Teacher(s): Philippe Delsarte, Jean-Pierre Tignol

Language: french

Level: 2nd cycle course

Aims

The course aims at giving the conceptual bases and methods allowing to build and analyze finite fields and various combinatorial structures associated with them, such as finite projective planes, block designs and error correcting codes.

Main themes

The course gives an introduction to certain domains of algebra, including the theory of error correcting codes, the basic notion from a theoretical viewpoint being the finite field structure.

Other credits in programs

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| MATH22/E | Deuxième licence en sciences mathématiques (Economie mathématique) | (3 credits) |
| MATH22/G | Deuxième licence en sciences mathématiques | (3 credits) |
| MATH22/S | Deuxième licence en sciences mathématiques (Statistique) | (3 credits) |