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Faculty of Mathematics and Computer Science  
Department of Computer Science  
1st Year Master - RTIC



# Web Technologies

## Introduction

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# Objectifs

Be able to describe the essential elements of Web technologies by providing a high-level overview of key terms and concepts, languages, architectures and tools available.

# Contents

- Internet, its standards and protocols
- Web production chain: from the establishment of specifications to hosting
- Web architectures: roles of servers
- Browser-based languages and technologies: HTML and XHTML, CSS, JavaScript, VBScript, Java applets, ActiveX controls, etc
- Rich Internet Applications (RIA) and rich clients
- XML for heterogeneous exchange

# Contents

- Web 2.0 and AJAX
- Server side technologies: ASP, ASP.NET, Web services, Java servlets, JSP, EJB, PHP, Perl, CGI, etc
- Application servers : J2EE and .NET
- Web development tools
- Open source solutions
- Business-to-Business (B2B) and Business to Consumer (B2C)

# Evaluation method

- Practical work (TP): 20%
- Continuous assessment: 30%
- Final exam: 50%

# References

Reference suggested by official program

- Philippe COZETTE  
**Programmer pour le web. Developper des applications  
par la maîtrise des technologies web**  
Edition : Solutions Informatiques.

Questions ?