

SYLLABUS

CSci260 .NET and Web Programming

(a programming-intensive and no-nonsense course)

School of Electrical Engineering and Computer Science, University of North Dakota
Fall 2019

Class times: 03:30pm – 04:45pm, TuTh
Classroom: Collaborative Energy Complex 205
Credit hours: 3
Prerequisite: CSci161 Computer Science II or consent of instructor
Class pages: <http://undcemcs01.und.edu/~wen.chen.hu/course/260/>

Instructor: [Wen-Chen Hu](#) ([my teaching philosophy](#))
Email: wenchen@cs.und.edu
Office: Upson II 366K
Office hours: 02:00pm – 03:00pm, MoWeFr, or simply dropping in

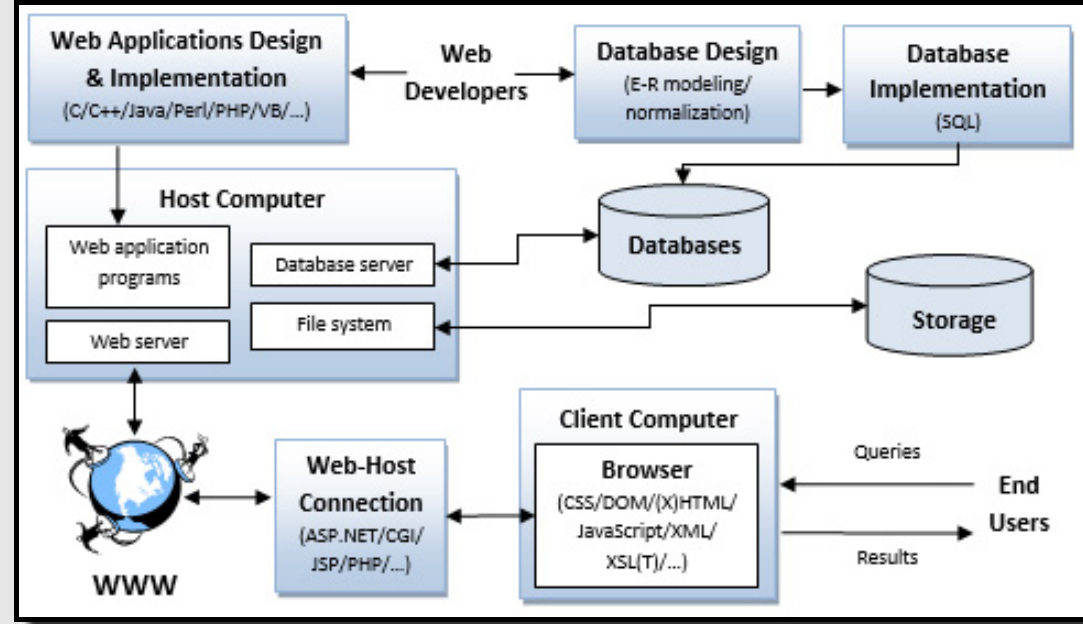
Remark I: Definitions, terminologies, and theories will be discussed minimally in this course. Instead practical works and programming knowledge will be emphasized and enforced.

Remark II: This is a fundamental web course using ASP.NET and Access databases. For an advanced web course, check [CSci457 Electronic Commerce Systems](#) using LAMP (Linux, Apache, MySQL, and PHP).

Remark III: Online asynchronous is also provided for the distance students. It is conducted fully through Internet instruction. For details, check [UND Online & Distance Education](#) or [DEDP \(Distance Engineering Degree Program\)](#). Besides, [YuJa](#) is used for hosting and sharing lecture videos, and [ProctorU](#) is used to monitor the exams.

DESCRIPTION: An introduction to Microsoft .NET and World Wide Web programming for fundamental web content development. Topics including, but not limited to:

- Microsoft .NET concepts,
- World Wide Web basics,
- Web system structures,
- Client-side languages and environments such as (X)HTML and CSS,
- Server-side languages and environments such as ASP.NET and Visual Basic (VB),
- Databases and structured query language (SQL),
- Web-host-database connection,
- Web content design and development, and
- Technology survey.



OBJECTIVES: After taking this course, students are able to achieve the following goals, but not limited to:

- Knowledge of web markup language principles,
- Knowledge of Visual Basic language principles,
- Knowledge of ASP.NET environment principles,
- Proficiency in web content design and development, and
- Fundamental knowledge of Microsoft .NET and web system structures.

LECTURE NOTES: No textbook will be used. Instead detailed and precise class instructions and interactive, informative, and practical [lecture notes](#) (based on [W3Schools](#), [ASP.NET](#), and other online documents and user manuals) will be provided. Collectively, the lecture notes and instructions are more like a small book, which supplies much more information than regular notes do. Students will not have problem learning the subjects or taking the exams after studying them and doing programming exercises.

EVALUATION:

Four [programming exercises](#):

1. HTML	—	05% (campus) / 06% (online)
2. CSS	—	05% (campus) / 06% (online)
3. ASP.NET (for store owners only)	—	12% (campus) / 14% (online)
4. ASP.NET (a complete store)	—	16% (campus) / 20% (online)

Two [exams](#)

Final exam	—	18% (campus) / 18% (online)
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Attendance	—	08% (campus) / 0% (online)
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TENTATIVE SCHEDULE:

Week	1	—	Introduction
Weeks	2 - 3	—	(X)HTML [(eXtensible) HyperText Markup Language]
Weeks	4 - 5	—	CSS (Cascading Style Sheet)
Week	6	—	Programming exercises III & IV
Week	7	—	Databases and SQL (Structured Query Language)
Weeks	8 - 9	—	Microsoft C# for ASP.NET
Weeks	10 - 14	—	Microsoft ASP.NET
Week	15	—	World Wide Web concepts
Week	16	—	Microsoft .NET introduction

DISHONESTY: Under no circumstances will acts of academic dishonesty be tolerated. Any suspected incidents of dishonesty will be promptly referred to the Assistant Dean of Students. Refer to the Code of Student Life, Appendix B.2: [Academic Dishonesty](#).

DISABILITY: Students who need special accommodations for learning or who have special needs are invited to share these concerns or requests with the instructor as soon as possible.