

Internet Application Protocols and Standards

Recommended Study Plan

File name:

<http://dsv.su.se/jpalme/internet-course/p96-study-plan.html>

Latest change: 2002-08-10

Home page for this course:

<http://dsv.su.se/jpalme/internet-course/Int-app-prot-kurs.html>

Course Description, Work Task Description

Compendium number and page number		Title
4	448-453	Course Segment Description
6	912	An overview of common Internet protocols and services

Basic Concepts, DNS

5	862-876	Overhead pictures for the introductory lectures
6	884-908	Introduction and basic concepts
5	1026-1089	Coding methods
4	465	Cache Consistency Mechanisms
4	472-494	The Domain Name System
1	19-46	RFC 1034: Domain Names
4	463-464	Distributed File Systems
5	619-620	A Beginner's Guide to URLs
2	425-437	Uniform Resource Locators (URL)
5	947-950	Overheads on URL and media types
2	445-460	IANA Registry of Port Numbers
2	461-468	IANA Registry of Media Types

ABNF

5	1035-1041	Coding methods
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5	877-887	*:96 Overheads Part 2: ABNF
1	12-18	RFC 2234: Augmented BNF for Syntax Specifications: ABNF

ASN.1

5	1041-1062	Coding methods
5	821-854	A Layman's Guide to a Subset of ASN.1, BER and DER
1	2-11	ASN.1 syntax
4	459-462	Övningsuppgifter på ASN.1 och BER

XML

5	1066-1079	XML Introduction
5	933-946	XML OHs
7	913-929	XML Recommendation (=Standard)

E-mail

5	955-969	*:96 Overheads Part 3: E-mail
4	495-508	Applications: Electronic Mail
4	701-705	*:96 Overheads Part 4: Message Delivery Protocols
4	738-743	Post Office Protocol
4	744-745	Interactive Mail Access Protocol
1	47-305	RFC 2821, 2822, 2197, 2045, 2047, 2048, 2049, 1891, 1892, 1894, 1725, 2060

NNTP, Usenet News Transfer Protocol

4	749-750	News and Usenet
4	509-519	NNTP, Network News Transfer Protocol
2	299-308	RFC 1036: Standard for Interchange of Usenet Messages
2	411-424	RFC 977: NNTP

X.500, LDAP = Light-Weight Directory Access Protocol

4	558-564	The Organisation of the Directory
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1	307-341	RFC 2251-2252 LDAP
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FTP = File Transfer Protocol

5	970-973	*:96 Overheads Part 5: FTP
4	520-540	FTP File Transfer System
2	252-287	RFC 959: File Transfer Protocol (FTP)

HTTP = Hypertext Transfer Protocol

5	1009-1017	*:96 Overheads Part 7: HTTP
4	541-556	HTTP: Hypertext Transfer Protocol
5	1018-1019	Ohs on cookies
2	288-298	RFC 2109: HTTP State Management Mechanism (Cookies)
2	309-410	RFC 2068: HTTP 1.1

CGI = Common Gateway Interface

4	466-471	Common Gateway Interface Tutorial
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HTML

5	1063-1065	HTML and CSS
5	974-1008	*:96 Overheads Part 6: HTML
5	592-613	HTML Style Guides
3	461-642	HTML 4.0 Specification

Miscellaneous

9	51-55	Bildformat i datorer
5	614-618	PICS Internet Access Controls Without Censorship
4	752-753	Internet Relay Chat
9	51-55	Bildformat i datorer
9	56	Other application layer standards

Exercise before the exam

Not printed	On-line data base of old exam questions: http://dsv.su.se/jpalme/internet-course/internet-standards-exams.html
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Overheads used during the lectures

Lecture	Compendium	Pages
Network basics	5	862-876
Coding	5	877-885
Coding, ASN.1	5	888-932
HTML	5	974-1008
Coding, XML	5	933-946
URL, media types	5	947-950
HTTP	5	1009-1017
Cookies	5	1018-1019
E-mail basics	9	3-46 (note: not all as OHs)
SMTP, message formats	5	955-964
Directory systems, PICS	5	1020-1025