



Faculty of Health, Science and Technology  
Computer Science

# Course Reading

## Internet's Domain Name System

Valid from 01/16/2023

**Course Code:** DVGC28  
**Course Title:** Internet's Domain Name System  
**Credits:** 7.5  
**Degree Level:** Undergraduate level

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### Books

Cricket Liu, Paul Albitz (2006). *DNS & BIND* (5 ed.). O'Reilly & Associates

### Web resources

RFC 1035 (1987). Domain Names - Implementation And Specification. <https://datatracker.ietf.org/doc/html/rfc1035>

RFC 1995 (1996). Incremental Zone Transfer in DNS. <https://www.rfc-editor.org/info/rfc1995>

RFC 2308 (1998). Negative Caching of DNS Queries (DNS NCACHE). <https://www.rfc-editor.org/info/rfc2308>

RFC 4033 (2005). DNS Security Introduction and Requirements. <https://www.rfc-editor.org/info/rfc4033>

RFC 4034 (2005). Resource Records for the DNS Security Extensions. <https://www.rfc-editor.org/info/rfc4034>

RFC 5155 (2008). DNS Security (DNSSEC) Hashed Authenticated Denial of Existence. <https://www.rfc-editor.org/info/rfc5155>

RFC 5890 (2010). Internationalized Domain Names for Applications (IDNA): Definitions

and Document Framework. <https://www.rfc-editor.org/info/rfc5890>

RFC 6147 (2011). DNS64: DNS Extensions for Network Address Translation from IPv6 Clients to IPv4 Servers. <https://www.rfc-editor.org/info/rfc6147>

Wikipedia (2022). Anycast. <https://en.wikipedia.org/wiki/Anycast>

Wikipedia (2022). DNS over HTTPS. [https://en.wikipedia.org/wiki/DNS\\_over\\_HTTPS](https://en.wikipedia.org/wiki/DNS_over_HTTPS)

Wikipedia (2022). DNS over TLS. [https://en.wikipedia.org/wiki/DNS\\_over\\_TLS](https://en.wikipedia.org/wiki/DNS_over_TLS)

Wikipedia (2022). DNS-based Authentication of Named Entities.  
[https://en.wikipedia.org/wiki/DNS-based\\_Authentication\\_of\\_Named\\_Entities](https://en.wikipedia.org/wiki/DNS-based_Authentication_of_Named_Entities)

Wikipedia (2022). IPv6 transition mechanism.  
[https://en.wikipedia.org/wiki/IPv6\\_transition\\_mechanism](https://en.wikipedia.org/wiki/IPv6_transition_mechanism)

Wikipedia (2022). Unicode. <https://en.wikipedia.org/wiki/Unicode>

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Approved by the Faculty Board of Health, Science and Technology 08/30/2022