



# Universiteit van Pretoria Jaarboek 2017

## Rekenaarnetwerke 780 (ERN 780)

<b>Kwalifikasie</b>	Nagraads
<b>Fakulteit</b>	<a href="#">Fakulteit Ingenieurswese, Bou-omgewing en Inligtingtegnologie</a>
<b>Modulekrediete</b>	32.00
<b>Programme</b>	<a href="#">BIngHons Rekenaaringenieurswese</a>
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	32 kontakure per semester
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Elektriese, Elektroniese en Re
<b>Aanbiedingstydperk</b>	Semester 1

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Review of computer networks infrastructure: The review will cover elementary concepts in computer networks; covering data communications, wide area networks, and local area networks.

Networking protocols: This section will explore both the architectural principles and mechanisms required for the exchange of data among computers, workstations, servers, and other data processing devices. Much of the material in this part relates to the TCP/IP protocol suite. Recent developments and state-of-art issues will also be focused upon.

Applications, service models and convergence of networks: This section will look at the application layer and explore various service models in the context of convergence. Students will be introduced to various Next Generation Networks technologies and issues.

Modelling and simulation: This section will cover research issues in computer networks. Students will be introduced to modelling, simulation techniques and tools.

Die inligting wat hier verskyn, is onderhewig aan verandering en kan na die publikasie van hierdie inligting gewysig word.. Die [Algemene Regulasies \(G Regulasies\)](#) is op alle fakulteite van die Universiteit van Pretoria van toepassing. Dit word vereis dat elke student volkome vertrouwd met hierdie regulasies sowel as met die inligting vervat in die [Algemene Reëls](#) sal wees. Onkunde betreffende hierdie regulasies en reëls sal nie as 'n verskoning by oortreding daarvan aangebied kan word nie.