Exam Check off

[**Week 1**](https://learn.dcollege.net/webapps/blackboard/content/listContent.jsp?course_id=_164433_1&content_id=_5033218_1)

Topics covered in this week are:

(i) IP-v4 addressing, Classful and Classless Addressing(CIDR), address prefixes

(ii) Principle of Longest Match for Datagram Forwarding

(iii) Forming Subnets

(p 317-319 , p 338-345 in the textbook)

### [Week 2](https://learn.dcollege.net/webapps/blackboard/content/listContent.jsp?course_id=_164433_1&content_id=_5033226_1)

The topics covered in this week are the following:

(i) IP-v4 Datagram Format (p 332-335 in the textbook)

(ii) Datagram Fragmentation (p 335-338 in the textbook)

(iii) Introduction to Graph Theory (Notes and examples in the pdf file posted)

### [Week 3](https://learn.dcollege.net/webapps/blackboard/content/listContent.jsp?course_id=_164433_1&content_id=_5033231_1)

Material covered this week is :

Introduction to routing - distinction between Intradomain and interdomain routing

Intradomain routing algorithms - Link State routing and example  ( p 363-371)

### [Week 4](https://learn.dcollege.net/webapps/blackboard/content/listContent.jsp?course_id=_164433_1&content_id=_5033240_1)

Material covered this week is the following:

Distance Vector Routing  (p 371-379 in the textbook)

Broadcast and Muticast routing (p 400-413)

### [Week 5](https://learn.dcollege.net/webapps/blackboard/content/listContent.jsp?course_id=_164433_1&content_id=_5033249_1)

In this week, inter-AS routing protocol BGP will be discussed.(p383- 399 in the text book)

Also IP-v6 will be discussed.(p 356-362 in the textbook)

IP-v6 addressing , special addresses

Header format, comparison with IP-v4

Transitioning from IP-v4 to IP-v6