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# Course Syllabus

COS 460 & COS 550  
Computer Networks  
Fall 2017

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# Course Syllabus

- Course Objectives
- Textbook & Resources
- Schedule
- Assignments, Exams, and Grades

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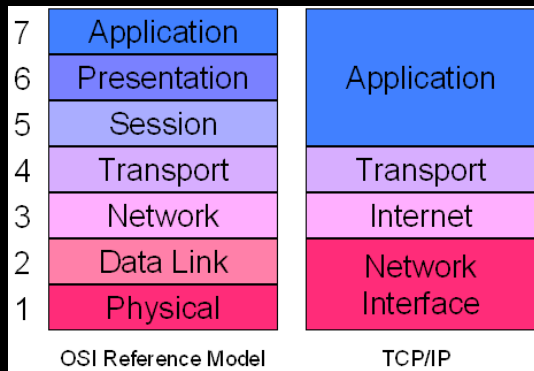
# Course Objectives

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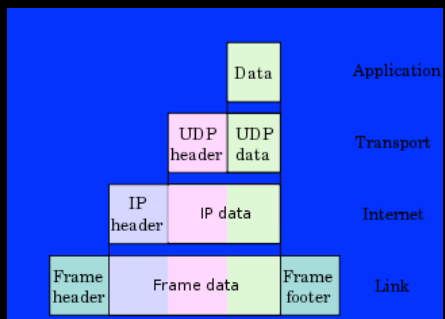


Layers make everything better

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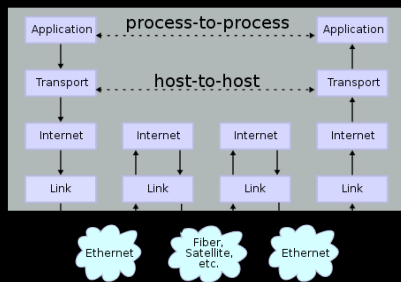


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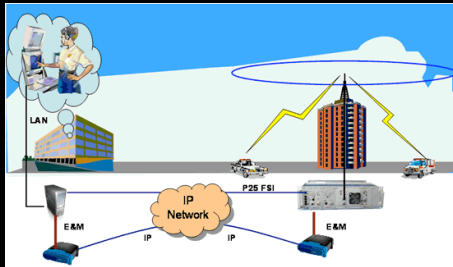
“Encapsulated” View

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## Data Flow View

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## LANs & WANs

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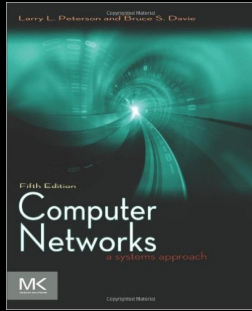
```

01502: Process From User Queue (Line@Vol@Line As String) As String
01503:
01504:   Dim iQuoteCount As Long
01505:   Dim iLocn As Long
01506:   Dim sChar As String
01507:   Dim sPrevChar As String
01508:
01509:   ' Starts with line, it is a comment
01510:   sLine = Trim(sLine)
01511:   If Left(sLine, 1) = "!" Then
01512:     CleanUpLine = ""
01513:     Exit Function
01514:   End If
01515:
01516:   ' Starts with " it is a comment
01517:   If Left(sLine, 1) = "" Then
01518:     CleanUpLine = ""
01519:     Exit Function
01520:   End If
01521:
01522:   ' Contains " may end in a comment, so test if it is a comment or in the
01523:   ' body of a string
01524:   If InStr(sLine, "") > 0 Then
01525:     sPrevChar = ""
01526:     iQuoteCount = 0
01527:
01528:     For iLocn = 1 To Len(sLine)
01529:       sChar = Mid(sLine, iLocn, 1)
01530:
01531:       ' If we found " then an even number of " characters in front
01532:       ' means it is the start of a comment, and will number again if it is
01533:       ' part of a string
01534:       If sChar = "" And sPrevChar = "" Then
01535:         If iQuoteCount Mod 2 = 0 Then
01536:           sLine = Trim(Left(sLine, iLocn - 1))
01537:           Exit For
01538:         End If
01539:       ElseIf sChar = "" Then
01540:         iQuoteCount = iQuoteCount + 1
01541:       End If
01542:       sPrevChar = sChar
01543:     Next iLocn
01544:   End If
01545:   CleanUpLine = sLine
01546: End Function

```

## Write Code

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## Textbook & Resources

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### Textbook

- Computer Networks: A Systems Approach
- Petersen & Davie
- 5th Edition
- \$76

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### Other Resources

- The Internet
- Blackboard course site
- Referenced papers, articles, etc.

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## Schedule

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## Schedule

- Foundations & Direct Networks (4 weeks)
- Inter-networks & End-End (6 weeks)
- Data & Applications (5 weeks)

Refer to website for more specifics

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## Assignments & Exams

# Assignments

- 4 Programming Assignments
- Progressively more difficult
- Last two are same project
- $325 = 50 + 100 + 75 + 100$  points

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## GitHub



We will be using  
**git** and **GitHub**  
for course materials and projects

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## Reading & Homework

- Textbook Sections
- Linked, topical, Readings
- Be prepared to discuss textbook questions in class

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## Exams

- Three Exams
- Based on three parts of course
- Final contains all material
- $325 = 100 + 100 + 125$  points

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## Graduate Students

- More work for you!
- Research Paper (5-10 pages)
- Class Presentation (10-15 minutes)
- $100 = 50 + 50$  points

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## Grades

- COS 460 - Undergraduate Students  
Based on maximum of 650 points
- COS 550 - Graduate Students  
Based on maximum of 750 points

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Questions?

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Course Syllabus

End