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# Course Syllabus

COS 460 & COS 540  
Computer Networks  
Fall 2017

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# Course Syllabus

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

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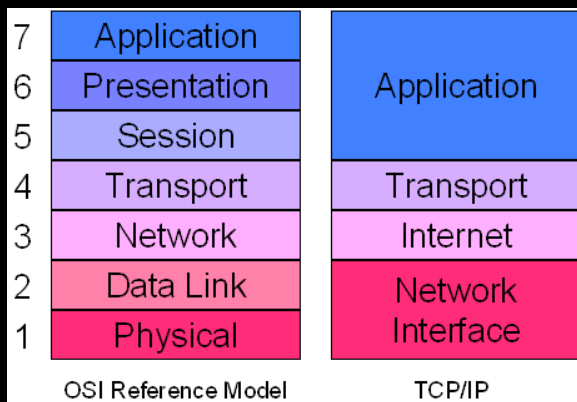
# Course Objectives

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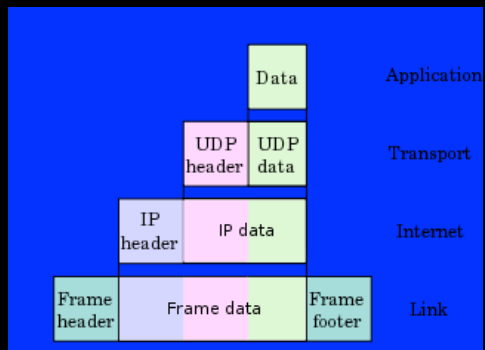


Layers make everything better

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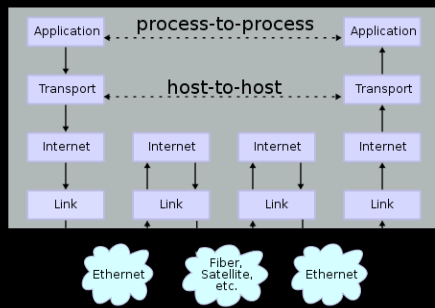


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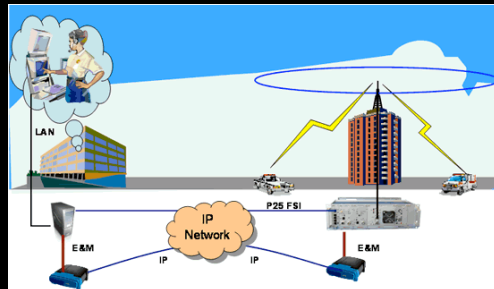
“Encapsulated” View

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## Data Flow View

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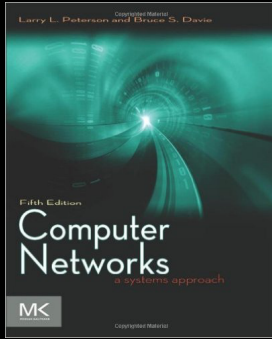
## LANs & WANs

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```

01522 Private Function CleanUpLine(ByVal sLine As String) As String
01523 Dim iQuoteCount As Integer
01524 Dim iCount As Integer
01525 Dim sChar As String
01526 Dim sPrevChar As String
01527
01528 ' Starts with sLine it is a comment
01529 sLine = Trim(sLine)
01530 If Left(sLine, 1) = "P" Then
01531   CleanUpLine = ""
01532   Exit Function
01533 End If
01534
01535 ' Starts with ' it is a comment
01536 If Left(sLine, 1) = "'" Then
01537   CleanUpLine = ""
01538   Exit Function
01539 End If
01540
01541 ' Contains ' say and in a comment, so test if it is a comment or in the
01542 ' body of a string
01543 If InStr(sLine, "'") > 0 Then
01544   sPrevChar = ""
01545   iQuoteCount = 0
01546
01547   For iCount = 1 To Len(sLine)
01548     sChar = Mid(sLine, iCount, 1)
01549
01550     ' If we found " then an even number of " characters in front
01551     ' means it is the start of a comment, and odd number means it is
01552     ' part of a string
01553     If sChar = "" And sPrevChar = "" Then
01554       If iQuoteCount Mod 2 = 0 Then
01555         sLine = Trim(Left(sLine, iCount - 1))
01556         Exit For
01557       End If
01558       iQuoteCount = iQuoteCount + 1
01559       sPrevChar = sChar
01560     End If
01561     sPrevChar = sChar
01562     iCount = iCount + 1
01563   Next iCount
01564 End If
01565 CleanUpLine = sLine
01566 End Function
  
```

## Write Code



## Textbook & Resources

### Textbook

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

### Other Resources

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



## Schedule

## Schedule

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

Refer to website for more specifics



## Assignments & Exams

# Assignments

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

## GitHub



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

## Reading & Homework

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

# Exams

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

# Graduate Students

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

# Grades

- COS 460 - Undergraduate Students  
Based on maximum of 650 points
- COS 540 - Graduate Students  
Based of maximum of 750 points

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Questions?

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Course Syllabus  
End