

# EE594 Adaptive Signal Processing

## Fall 2002

### Prerequisites

EE545 Digital Signal Processing or equivalent.

### Instructor

Dr. Phillip De Leon

### Contact Information

#### Office

Goddard Annex 160G

#### Phone

646-DSP1 (3771)

#### Email

pdeleon@nmsu.edu

### Office Hours

Monday 2-4, Tuesday 2-4pm, and by *prior* appointment.

### Textbook

*Adaptive Filter Theory 3rd Edition* by Simon Haykin (ISBN 0-13-322760-X)

*Note: While a 4<sup>th</sup> edition has been published, NMSU bookstore will stock the 3<sup>rd</sup> edition. Other vendors such as Barnes and Noble ([www.bn.com](http://www.bn.com)) may have this text should the bookstore run out.*

### Other References Used in Course

Paulo S. R. Diniz, *Adaptive Filtering, Algorithms and Practical Implementation*, Kluwer Academic Publishers, Norwell, MA., 1997. ISBN 0-7923-9912-9.

Monson Hayes, *Statistical Digital Signal Processing and Modeling*, John Wiley & Sons Inc., New York, N.Y., 1996. ISBN 0-471-59431-8.

Vijay K. Madisetti and Douglas B. Williams, eds., *The Digital Signal Processing Handbook*, CRC Press, Boca Raton, FL., 1997. ISBN 0-8493-8572-5.

### Software

MATLAB, Signal Processing Toolbox (available in T&B201, 202, 206)

### Online Resources

EE594 Home Page

<http://www.ece.nmsu.edu/~pdeleon/Teaching/EE594/EE594.html>

EE592 Email Distribution List

TO: [listproc@nmsu.edu](mailto:listproc@nmsu.edu)

BODY: subscribe ee594 YOURFIRSTNAME YOURLASTNAME

### Grading

#### Homework

There will be weekly homework assignments consisting of textbook problems and/or computer simulation projects. Worth 35% of the final grade.

#### Exams

There will be two exams. Each worth 20% of the final grade.

#### Final

The final examination is scheduled for Monday, December 9, 2002 from 10:30am – 12:30pm. Worth 25% of the final grade.

### Policies

I highly encourage you to discuss homeworks and projects with either myself or your peers. This discussion could include among other things, various approaches to a homework problem, algorithms for a software project, programming tips, and various theoretical insights. Be aware however, that all submitted solutions to homeworks and projects must be written or coded (in the case of software) by the individual. There is to be no “sharing” of solutions.

### Students with Disabilities

If you have or believe you may have a disability, you may wish to self identify. You can do so by providing documentation to Services for Students with Disabilities (SSD). Their office is located in the Garcia Annex, room 102. The phone number is 646-6840. Appropriate accommodations may then be provided for you.

If you have a condition that may affect your ability to exit safely from the premises in an emergency or that may cause an emergency during class, you are encouraged to discuss this in confidence with the instructor and/or the coordinator of SSD. If you have general questions about the Americans with Disabilities Act (ADA), call Elva Telles, the ADA Coordinator at 646-3635.