*Prof. Dr. Fahreddin Sadikoglu Mammadov*

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*Courses*

**Online Lecture Notes:**  [**COM457**](https://web.archive.org/web/20140407113750/http%3A/staff.neu.edu.tr/~fahri/cryptography.html) | [**EE341**](https://web.archive.org/web/20140407113750/http%3A/staff.neu.edu.tr/~fahri/signals.html) | [**EE429**](https://web.archive.org/web/20140407113750/http%3A/staff.neu.edu.tr/~fahri/mobile.html) | [**EE430**](https://web.archive.org/web/20140407113750/http%3A/staff.neu.edu.tr/~fahri/wireless.html) | [**EE461**](https://web.archive.org/web/20140407113750/http%3A/staff.neu.edu.tr/~fahri/dsp.html)

**EE429 Mobile Communication Systems**

[Course Description](https://web.archive.org/web/20140407113750/http%3A/staff.neu.edu.tr/~fahri/mobile_description.pdf)

  Lecture Notes

[**Fundamentals of Radio communications**](https://web.archive.org/web/20140407113750/http%3A/staff.neu.edu.tr/~fahri/mobile_L1.pdf)

[**Fading. Propagation Loss**](https://web.archive.org/web/20140407113750/http%3A/staff.neu.edu.tr/~fahri/mobile_L2.pdf)

[**Cellular concept**](https://web.archive.org/web/20140407113750/http%3A/staff.neu.edu.tr/~fahri/mobile_L3.pdf)

[**Trunking. Erlangs**](https://web.archive.org/web/20140407113750/http%3A/staff.neu.edu.tr/~fahri/mobile_L4.pdf)

[**GSM architecture**](https://web.archive.org/web/20140407113750/http%3A/staff.neu.edu.tr/~fahri/mobile_L5.pdf)

[**GSM Transreceiver**](https://web.archive.org/web/20140407113750/http%3A/staff.neu.edu.tr/~fahri/mobile_L6.pdf)

[**Modulation for mobile communication systems**](https://web.archive.org/web/20140407113750/http%3A/staff.neu.edu.tr/~fahri/mobile_L7.pdf)

[**Intersymbol interferences. Equalizing**](https://web.archive.org/web/20140407113750/http%3A/staff.neu.edu.tr/~fahri/mobile_L8.pdf)

[**Multiple axes**](https://web.archive.org/web/20140407113750/http%3A/staff.neu.edu.tr/~fahri/mobile_L9.pdf)

[**Problem statement 1**](https://web.archive.org/web/20140407113750/http%3A/staff.neu.edu.tr/~fahri/mobile_statement1.pdf)

[**Problem statement 2**](https://web.archive.org/web/20140407113750/http%3A/staff.neu.edu.tr/~fahri/mobile_statement2.pdf)