Distribution of topics over lectures;
dependent of the progress of the course, the contents are likely to change:


B  Maxwell equations, brush up on electro- and magnetostatics [G] 2, 5, multipole expansion [G] 3.4 (pr. 3.33, 3.45a), 5.4.3 (pr. 5.33)


F  Maxwell equations, vectorial and scalar Helmholtz equation [-], 2D configurations [-] (intermezzo), mode problems [G] 9.5.1, metallic [G] 9.5.2, pr. 9.30 and dielectric waveguides [-]


H  Special relativity [G] 12 (overview/excerpts); transmission lines [U] 7 (overview/excerpts)

Indices [G] and [U] indicate textbook passages that relate to the respective parts of the lectures. The way and order of presentation, also the notation, and the material covered may differ from the textbooks.


*Note that the actual contents of the lectures & homework will be relevant for the tests and the exam.*