Lecture Quiz	**To Accompany: Fourier Filtering**
Landau, Pàez & Bordeianu,	***Computational Physics***, Wiley-VCH

1. What is the purpose of filtering a measured signal?
2. What are the two filtering techniques suggested in this lecture for noisy signals?
3. When an autocorrelation function is used to remove noise, what is the assumption made about the noise?
4. What values would the correlation function have for two correlated signals, and for two uncorrelated signals?
5. What does knowledge of the power spectrum infer about the Fourier spectrum?
6. What is the meanings of a convolution?
7. What type of filter is used to remove noise? Explain.