In contrast to traditional statistical thermodynamics books, all the derivations are included step-by step and in very detail.

About 600 problems, most of these with complete solutions, are included.

Complete PowerPoint class on CD is added.

This book is primarily written for (physical) chemistry graduate students. However, students of physics, engineering, and materials science will also find the book relevant to their studies, such as exam preparations, homework, or self-study.