

# Template and Guidelines for Writing a Scientific Paper

Thomas Kiebel, Michael Schulze, and Sebastian Zug

Institute of Embedded Systems and Operating Systems

Department of Distributed Systems

Otto-von-Guericke-University Magdeburg

(kiebel,mschulze,zug)@ivs.cs.uni-magdeburg.de

March 30, 2007

**Abstract** — *The abstract should concisely summarize the contents of a paper. Since potential readers should be able to make their decision on the personal relevance based on the abstract, the abstract should clearly tell the reader what information he can expect to find in the paper. The most essential issue is the problem statement and the actual contribution of described work. The authors should always keep in mind, that the abstract is the most frequently read part of a paper. It should contain at least 70 and at most 120 words.*

## 1 INTRODUCTION

This document serves two purposes. First it is a template and example for a scientific paper. Second, the text in the sections contains useful information on structuring and writing your first paper. We recommend to read the following sections carefully in order to avoid common mistakes.

The introduction should consist of three parts (as paragraphs, not to be structured into multiple headings):

The first part deals with the *background* of the work and describes the field of research. It should also elaborate on the *general problem statement* and the *relevance*?

The second part should describe the focus of the paper, typically the paragraph starts with a phrase like "*The objective of this paper is ...*".

The last part should describe the structure of the paper, for example: The paper is structured as follows: Section 2 explains the overall structure for different types of scientific papers. Section 3 gives some hints on writing and covers also acronyms, figures and tables. Section 4 gives a recommendation on L<sup>A</sup>T<sub>E</sub>X and explains how to get the necessary tools. Section 5 presents a checklist of common mistakes to avoid. Section 6 concludes the paper.

## 2 STRUCTURE OF YOUR PAPER

### 2.1 RESEARCH PAPERS

The structuring of your sections heavily depends on the type of your paper. For example if you have done some research encompassing an experimental setup and measurements, your paper could be possibly structured as follows:

- Abstract; Kurzfassung, Abstract
- Introduction; Einführung
- Related Work; Verwandte Arbeiten
- Basic concepts, Concepts and Terms; Grundbegriffe, Grundkonzepte und Definitionen
- Experimental setup, Applied Method; Versuchsaufbau, Vorgangsweise
- Results; (Experimentelle) Ergebnisse
- Discussion, Proof; Diskussion, Beweis
- Conclusion (and Outlook), Summary; Schlussfolgerungen, Fazit; Zusammenfassung (und Ausblick)
- References; Literaturverzeichnis

The colons separate possible variants in naming the sections. The variants after the semicolons give the German counterparts. If some text is in brackets, this text could be optionally added to the given variant (but used without brackets).

The section on related work might also appear right before the concluding section.

The section on basic concepts should introduce the basic terms and concepts that are needed to understand the following sections of the paper. Sometimes, it is not necessary to have a separate section on basic concepts, if the basic concepts are well-known or can be covered in the introduction.

The experimental setup typically describes the used hardware, software, and the implementation. If your implementation has a fancy name, you could also name that section that way (for example *KMU/FEU System Description*).

Most papers you will read for your first paper will likely be such *research papers*.

### 2.2 SURVEY PAPERS

If you do a literature research comparing some approaches, your paper could be possibly structured as follows:

- Abstract; Kurzfassung, Abstract
- Introduction; Einführung

# Science Research Paper Template

**L Darling-Hammond**

## Science Research Paper Template:

**Researcher's Guide: Templates and guidelines for Research article in SCI journal** Dr. M. Jayachandran, In the realm of academic research and scholarly publishing achieving recognition in prestigious SCI Science Citation Index Journals is a pinnacle of success However the path to successful publication can be arduous filled with intricate guidelines rigorous standards and the need for absolute precision That's where Researcher's Guide Templates and Guidelines for Research Articles in SCI Journals comes to your aid This meticulously crafted book is designed as an indispensable companion for researchers scientists and academics of all levels who aspire to not only meet but exceed the expectations of SCI Journals Whether you are a seasoned scholar or an early career researcher this guide empowers you with the tools and knowledge needed to navigate the complex world of research article writing with finesse and confidence Key Features Templates for Every Section The heart of this book lies in its meticulously designed templates for each section of a research article from abstract to conclusion These templates are like a compass guiding you through the intricate structure of your paper while ensuring compliance with the exacting standards of SCI Journals Guidelines and Best Practices In addition to templates this guide provides comprehensive guidelines and best practices for crafting research articles that captivate readers and reviewers alike Learn how to create compelling titles write engaging abstracts conduct thorough literature reviews present results effectively and construct impactful discussions Ethical Considerations Understand the ethical considerations that underpin responsible research and publishing Discover how to navigate issues related to authorship conflicts of interest and the responsible use of data Peer Review Insights Gain insights into the peer review process and learn strategies for effectively handling reviewer feedback Transform the peer review process from a challenge into an opportunity for improvement Resources for Continued Growth Beyond the templates and guidelines this book equips you with valuable resources including additional reading materials citation style guides and references to further hone your research writing skills Interdisciplinary Perspective While the book provides a strong foundation in scientific writing it is designed to be adaptable across disciplines ensuring its relevance to a wide range of research fields including engineering social sciences natural sciences and more This book is more than just a book it is your gateway to the world of impactful scientific publishing Whether you aim to disseminate groundbreaking discoveries contribute to your field's body of knowledge or simply enhance your research writing skills this guide is your trusted companion on the journey to success Don't let the intricacies of research article writing hold you back With this book you have the tools templates and expertise at your fingertips to elevate your research articles to the highest standards of excellence ensuring your work is not only published but celebrated in the esteemed pages of SCI Journals Embark on your journey to scholarly excellence today with Researcher's Guide Templates and Guidelines for Research Articles in SCI Journals *Writing Scientific Research Articles* Margaret Cargill, Patrick O'Connor, 2009-04-20 Margaret Cargill's background as a linguist and research communications educator and Patrick O'

Connor's experience as both research scientist and educator synergize to improve both the science and art of scientific writing. If the authors' goal is to give scientists the tools to write and publish compelling well documented clear narratives that convey their work honestly and in proper context they have succeeded admirably. *Veterinary Pathology* July 2009. The book is clearly written, has a logical step by step structure, is easy to read and contains a lot of sensible advice about how to get scientific work published in international journals. The book is a most useful addition to the literature covering scientific writing. *Aquaculture International* April 2009. *Writing Scientific Research Articles Strategy and Steps* guides authors in how to write as well as what to write to improve their chances of having their articles accepted for publication in international peer reviewed journals. The book is designed for scientists who use English as a first or an additional language for research students and those who teach them paper writing skills and for early career researchers wanting to hone their skills as authors and mentors. It provides clear processes for selecting target journals and writing each section of a manuscript starting with the results. The stepwise learning process uses practical exercises to develop writing and data presentation skills through analysis of well written example papers. Strategies are presented for responding to referee comments as well as ideas for developing discipline specific English language skills for manuscript writing. The book is designed for use by individuals or in a class setting. Visit the companion site at [www.writeresearch.com.au](http://www.writeresearch.com.au) for more information.

**Integrity of Scientific Research** Joel Faintuch, Salomão Faintuch, 2022-10-13. This book provides a scientific and ethical approach to all forms of fraud and misconduct focusing on a scholarly however practice oriented description of the problems roots and potential solutions. Organized in dedicated parts an international team of experts systematically analyzes the most prevalent forms of misconduct ghost writing pseudo science dubious trials predatory journals fake news mistreatment and harassment in research publications at academic institutions and in the professional and healthcare environment. A special focus is given to corrective interventions and the role of prevention education and training. Comprehensive in its scope the book offers an easy to read overview along with a number of real cases for experienced and novice personnel alike. The significance of scientific integrity and research ethics increased during the last couple of years and ethic committees and offices have become an integral part at universities hospitals research institutions government agencies and major private organizations all over the world. Thus this book provides an indispensable comprehensive overview across disciplines and for everybody working in research and affiliated institutions. Chapter 37 is available open access under a Creative Commons Attribution 4.0 International License via link [springer.com](http://springer.com).

**JOURNAL OF SCIENCE AND ENGINEERING , Research in Education**, 1971. *Mastering Academic Writing in the Sciences* Marialuisa Aliotta, 2018-04-17. This book provides a comprehensive and coherent step by step guide to writing in scientific academic disciplines. It is an invaluable resource for those working on a PhD thesis research paper dissertation or report. Writing these documents can be a long and arduous experience for students and their supervisors and even for experienced researchers. However this book can hold the key to success. *Mapping*

the steps involved in the writing process from acquiring and organizing sources of information to revising early drafts to proofreading the final product it provides clear guidance on what to write and how best to write it Features Step by step approach to academic writing in scientific disciplines Ideal guidance for PhD theses papers grant applications reports and more Includes worked out examples from real research papers and PhD theses and templates and worksheets are available online to help readers put specific tasks into practice **Abstracts of Papers** American Association for the Advancement of Science. National Meeting,1989 *Advanced Materials Researches, Engineering and Manufacturing Technologies in Industry* Hong Hua Tan,2013-09-04 Selected peer reviewed papers from the 2013 2nd International Symposium on Materials Science and Engineering Technology ISMSET 2013 July 27 29 2013 Singapore Advances in Materials Science Jian Xin Zou,2015-02-10 Selected peer reviewed papers from the International Conference on Advances in Materials ICAM 2014 December 13 14 2014 Shanghai China **Advance Papers of the Conference** ,1975 The Essentials of Political Analysis Philip H. Pollock III,Barry C. Edwards,2024-12-20 Equip students with the skills and confidence they need to conduct political analyses and critically assess statistical research In the Seventh Edition of The Essentials of Political Science bestselling authors Philip H Pollock III and Barry C Edwards build students analytic abilities and develop their statistical reasoning with new data fresh exercises and clear examples This brief and reader friendly guide walks students through the essentials defining measurement formulating and testing hypotheses measuring variables while using key terms chapter opening objectives over 80 tables and figures and practical exercises to get them using and applying their new skills Using Excel R SPSS or STATA Companion workbooks featuring statistical software instructions and exercises help your students apply their knowledge **Advance Papers** ,1975 *Proceedings of the Seventh International Joint Conference on Artificial Intelligence* Ann Drinan,1981 **Eloquent Science** David M. Schultz,2009 Eloquent Science A Practical Guide to Becoming a Better Writer Speaker Atmospheric Scientist was conceived from a workshop taught over six years to undergraduate students at a summer research experience The volume is divided into three parts writing reviewing and speaking and offers tips on poster presentations media communication and advice for non native speakers of English as well as appendices on proper punctuation usage and meteorological concepts Sidebars written by experts in the field offer diverse viewpoints on reference topics important to the reader and a recommended reading section at the end of the book guides the reader to the best additional resources **Current Awareness Abstracts** ,2000 **Scientific American** ,1883

**Principles and Practices for Using Scientific Advice in Government Decision Making** William Smith,1999 This report characterizes the international responses to the changing demands on the science policy process Chapter 1 discusses the role of science advice in government decision making with regard to such issues as the science policy interface the decision making environment internal procedures outside advice quality control risk assessment science communications and science in a social context Chapters 2 3 review the key elements of different systems of science advising best practices and

approaches to risk assessment public communications in the European Union New Zealand the Nordic Union the United Kingdom the United States Australia the World Bank and national science academies Chapter 4 contains case studies that examine the effective use of different principles for the incorporation of science into decision making The final chapter reviews the main points lessons learned **Current Index to Journals in Education** ,1998-04 **Proceedings of the 1975 Conference on Information Sciences and Systems** ,1975 **Library & Information Science Abstracts** ,2008

Immerse yourself in heartwarming tales of love and emotion with Explore Love with is touching creation, Experience Loveis Journey in **Science Research Paper Template** . This emotionally charged ebook, available for download in a PDF format ( Download in PDF: \*), is a celebration of love in all its forms. Download now and let the warmth of these stories envelop your heart.

<https://netdata.businesstraveller.com/public/Resources/Documents/2014RegionalConventionNotebookForKids.pdf>

## **Table of Contents Science Research Paper Template**

1. Understanding the eBook Science Research Paper Template
  - The Rise of Digital Reading Science Research Paper Template
  - Advantages of eBooks Over Traditional Books
2. Identifying Science Research Paper Template
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Science Research Paper Template
  - User-Friendly Interface
4. Exploring eBook Recommendations from Science Research Paper Template
  - Personalized Recommendations
  - Science Research Paper Template User Reviews and Ratings
  - Science Research Paper Template and Bestseller Lists
5. Accessing Science Research Paper Template Free and Paid eBooks
  - Science Research Paper Template Public Domain eBooks
  - Science Research Paper Template eBook Subscription Services
  - Science Research Paper Template Budget-Friendly Options

6. Navigating Science Research Paper Template eBook Formats
  - ePUB, PDF, MOBI, and More
  - Science Research Paper Template Compatibility with Devices
  - Science Research Paper Template Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Science Research Paper Template
  - Highlighting and Note-Taking Science Research Paper Template
  - Interactive Elements Science Research Paper Template
8. Staying Engaged with Science Research Paper Template
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Science Research Paper Template
9. Balancing eBooks and Physical Books Science Research Paper Template
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Science Research Paper Template
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Science Research Paper Template
  - Setting Reading Goals Science Research Paper Template
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Science Research Paper Template
  - Fact-Checking eBook Content of Science Research Paper Template
  - Distinguishing Credible Sources
13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
14. Embracing eBook Trends
  - Integration of Multimedia Elements

- Interactive and Gamified eBooks

## Science Research Paper Template Introduction

Science Research Paper Template Offers over 60,000 free eBooks, including many classics that are in the public domain. Open Library: Provides access to over 1 million free eBooks, including classic literature and contemporary works. Science Research Paper Template Offers a vast collection of books, some of which are available for free as PDF downloads, particularly older books in the public domain. Science Research Paper Template : This website hosts a vast collection of scientific articles, books, and textbooks. While it operates in a legal gray area due to copyright issues, its a popular resource for finding various publications. Internet Archive for Science Research Paper Template : Has an extensive collection of digital content, including books, articles, videos, and more. It has a massive library of free downloadable books. Free-eBooks Science Research Paper Template Offers a diverse range of free eBooks across various genres. Science Research Paper Template Focuses mainly on educational books, textbooks, and business books. It offers free PDF downloads for educational purposes. Science Research Paper Template Provides a large selection of free eBooks in different genres, which are available for download in various formats, including PDF. Finding specific Science Research Paper Template, especially related to Science Research Paper Template, might be challenging as theyre often artistic creations rather than practical blueprints. However, you can explore the following steps to search for or create your own Online Searches: Look for websites, forums, or blogs dedicated to Science Research Paper Template, Sometimes enthusiasts share their designs or concepts in PDF format. Books and Magazines Some Science Research Paper Template books or magazines might include. Look for these in online stores or libraries. Remember that while Science Research Paper Template, sharing copyrighted material without permission is not legal. Always ensure youre either creating your own or obtaining them from legitimate sources that allow sharing and downloading. Library Check if your local library offers eBook lending services. Many libraries have digital catalogs where you can borrow Science Research Paper Template eBooks for free, including popular titles. Online Retailers: Websites like Amazon, Google Books, or Apple Books often sell eBooks. Sometimes, authors or publishers offer promotions or free periods for certain books. Authors Website Occasionally, authors provide excerpts or short stories for free on their websites. While this might not be the Science Research Paper Template full book , it can give you a taste of the authors writing style. Subscription Services Platforms like Kindle Unlimited or Scribd offer subscription-based access to a wide range of Science Research Paper Template eBooks, including some popular titles.

## FAQs About Science Research Paper Template Books

**What is a Science Research Paper Template PDF?** A PDF (Portable Document Format) is a file format developed by Adobe that preserves the layout and formatting of a document, regardless of the software, hardware, or operating system used to view or print it. **How do I create a Science Research Paper Template PDF?** There are several ways to create a PDF: Use software like Adobe Acrobat, Microsoft Word, or Google Docs, which often have built-in PDF creation tools. Print to PDF: Many applications and operating systems have a "Print to PDF" option that allows you to save a document as a PDF file instead of printing it on paper. Online converters: There are various online tools that can convert different file types to PDF.

**How do I edit a Science Research Paper Template PDF?** Editing a PDF can be done with software like Adobe Acrobat, which allows direct editing of text, images, and other elements within the PDF. Some free tools, like PDFescape or Smallpdf, also offer basic editing capabilities. **How do I convert a Science Research Paper Template PDF to another file format?** There are multiple ways to convert a PDF to another format: Use online converters like Smallpdf, Zamzar, or Adobe Acrobat's export feature to convert PDFs to formats like Word, Excel, JPEG, etc. Software like Adobe Acrobat, Microsoft Word, or other PDF editors may have options to export or save PDFs in different formats. **How do I password-protect a Science Research Paper Template PDF?** Most PDF editing software allows you to add password protection. In Adobe Acrobat, for instance, you can go to "File" -> "Properties" -> "Security" to set a password to restrict access or editing capabilities. Are there any free alternatives to Adobe Acrobat for working with PDFs? Yes, there are many free alternatives for working with PDFs, such as: LibreOffice: Offers PDF editing features. PDFsam: Allows splitting, merging, and editing PDFs. Foxit Reader: Provides basic PDF viewing and editing capabilities. How do I compress a PDF file? You can use online tools like Smallpdf, ILovePDF, or desktop software like Adobe Acrobat to compress PDF files without significant quality loss. Compression reduces the file size, making it easier to share and download. Can I fill out forms in a PDF file? Yes, most PDF viewers/editors like Adobe Acrobat, Preview (on Mac), or various online tools allow you to fill out forms in PDF files by selecting text fields and entering information. Are there any restrictions when working with PDFs? Some PDFs might have restrictions set by their creator, such as password protection, editing restrictions, or print restrictions. Breaking these restrictions might require specific software or tools, which may or may not be legal depending on the circumstances and local laws.

## Find Science Research Paper Template :

[2014 regional convention notebook for kids](#)

[\*\*manuale della registrazione sonora huber david\*\*](#)

[2014 record matric exam timetable south africa](#)

*a fairy tale*

~~the diary of a so-called saved woman part 1 metamorphosis~~

**science review sheet unit freshman**

~~porsche 911 carrera 1997 repair service manual~~

*romeo and juliet study guide questions*

**manual repair for 20impala**

historic scotland the ancient monuments of the western isles.

~~2008 alfa romeo 147 service and repair manual~~

*les cowboys du sexas jesse james*

**biology hl paper 1 ms**

naughty desires 10 erotic short stories sexy stories collection book 43

*200ford expedition eddie bauer recalls*

### **Science Research Paper Template :**

Sony Ericsson VH310 User Manual View and Download Sony Ericsson VH310 user manual online. VH310 headsets pdf manual download. User guide This User guide focuses on use with a Sony Ericsson mobile phone. Charging the headset. Before using the VH310 for the first time, you need to charge it with ... DDA-2024 Bluetooth Headset User Manual ... - FCC ID Bluetooth Headset 08 user manual details for FCC ID PY7DDA-2024 made by Sony Mobile Communications Inc. Document Includes User Manual VH310\_Gorkim\_UG.book. Handsfree VH310 | PDF - Scribd Sony Ericsson VH310 This User guide is published by Sony Ericsson Mobile Communications AB, without any warranty. Improvements and changes to this User ... Sony Ericsson Bluetooth Headset VH310 The Sony Ericsson VH310 is ideal for long conversations or a day full of hands-on tasks. - Sony Ericsson Bluetooth Headset VH310. Sony Ericsson VH310 Bluetooth Headset Black NEW Sony Ericsson VH310 Bluetooth Headset; AC charger; Quick start guide. Specifications. Availability: Usually Ships within 1-2 business days. Condition: New ... VH410 - User guide The VH410 Bluetooth™ Handsfree can be connected to any Bluetooth™ compatible device that supports the headset. This User guide focuses on use with a Sony. Sony Ericsson intros T715 slider, VH310 Bluetooth headset Jun 25, 2009 — The newly announced slider features a 3.2 megapixel camera with "photo light" (don't call it a flash), sunlight-viewable 2.2-inch QVGA display, ... Sony Ericsson Bluetooth Headset VH-310 by Dave Lim ... VH-310. Holt Lifetime Health Teacher Edition by Friedman, David P. Holt Lifetime Health Teacher Edition · Book overview. Great book for high school health. Holt Lifetime Health: Teacher's Edition (2009 Copyright) ISBN: 9780030962202 - Teacher's Edition - Hardcover - Holt, Rinehart And Winston - 2009 - Condition: Very Good - No Jacket - Very Good, Clean And Unmarked ...

Lifetime Health, Holt California Teacher Edition - Books Book details · Print length. 0 pages · Language. English · Publisher. Holt · Publication date. January 1, 2004 · ISBN-10. 0030382769 · ISBN-13. 978-0030382765. Lifetime Health - Teacher's Edition by HOLT RINEHART ... Published in 2009, this widely popular book has proven to serve its audience well, based on the abundance of positive reviews it has received by its readers. Lifetime Health: Teacher Edition - Hardcover Lifetime Health: Teacher Edition by Holt, Rinehart, And Winston, Inc. - ISBN 10: 003096220X - ISBN 13: 9780030962202 - HOLT, RINEHART AND WINSTON - 2009 ... 9780030646164: Holt Lifetime Health Teacher Edition The Holt Lifetime Health Teacher Edition book is in very low demand now as the rank for the book is 829,339 at the moment. It's a very low rank, and the book ... Lifetime Health - by Holt, Rinehart, and Winston, Inc. Buy a cheap copy of Lifetime Health Teacher's Edition 2009 book by Holt, Rinehart, and Winston, Inc.. Free Shipping on all orders over \$15. Lifetime Health: Teacher Edition 2009 Holt Lifetime Health -- Teacher's Edition (Hardcover)(11.5"x9.35"x1.15") by David P. Friedman, Curtis C. Stine & Shannon Whalen \*\*\* 9780030962202 ... Holt Lifetime Health: Teacher's Edition A book that has been read but is in good condition. Very minimal damage to the cover including scuff marks, but no holes or tears. health Teacher Edition. Development. Sandra Alters, Ph.D. Science and Health Writer. Montreal ... Your Road Map for Success with Lifetime Health. Read the Objectives. Java: An Introduction to Problem Solving... by Savitch, Walter Java: An Introduction to Problem Solving and Programming, 7e, is ideal for introductory Computer Science courses using Java, and other introductory programming ... Java: An Introduction to Problem Solving and Programming ... Java: An Introduction to Problem Solving and Programming, Student Value Edition (7th Edition). 7th Edition. ISBN-13: 978-0133841084, ISBN-10: 0133841081. 4.4 ... An Introduction to Problem Solving & Programming Welcome to the seventh edition of Java: An Introduction to Problem Solving & Programming. This book is designed for a first course in programming and. Java: An Introduction to Problem Solving and Programming ... Java: An Introduction to Problem Solving and Programming (7th Edition) by Savitch, Walter - ISBN 10: 0133766268 - ISBN 13: 9780133766264 - Pearson - 2014 ... Java: An Introduction to Problem Solving and Programming Java: An Introduction to Problem Solving and Programming, 8th edition. Published by Pearson (July 13, 2021) © 2018. Walter Savitch University of California, ... Java: an introduction to problem solving & programming [7th ... Welcome to the seventh edition of Java: An Introduction to Problem Solving & Programming. This book is designed for a first course in programming and computer ... Java: An Introduction to Problem Solving and Programming ... Java: An Introduction to Problem Solving and Programming plus MyProgrammingLab with Pearson eText -- Access Card Package (7th Edition) - Softcover. Savitch ... Java: An Introduction to Problem Solving and Programming ... Jun 28, 2014 — -- Java: An Introduction to Problem Solving and Programming, 7e, is ideal ... Programming with Pearson eText -- Access Card Package (7th Edition). Java: An Introduction to Problem Solving and Programming ... Title Java: An Introduction to Problem Solving and Programming · Author Walter Savitch · Binding Paperback · Edition number 7th · Edition 7 · Pages 989 · Volumes 1 ... an\_introduction\_to\_problem\_sol...

Welcome to the sixth edition of Java: An Introduction to Problem Solving & Programming. This book is designed for a first course in programming and.