Forhual Language and Compiler Justine tions + 1 point from C + S + L In metogra Teaching Lab 1,2,3,4 compulsory (all 4 delivered in order Lab 5 - optromal to enter exam) 1) No copyry Go maximal delay 2, more needs (- 1 paint/weeks) Seminaries - et and judleus + smale example for lab - homewites (not compulsory)

#LC)

Alo A.V., Sethi, Ullian - Compiler Principles,

Teducipus and Tools, Addison-Washy, 1986

\* Alus AV, Sothi - The Thing of Formy, 1942 + 1973

Appel AW - Hiding Compiler Topphinedeller in C,

Combridge their Boss, 1998

1) Ordine, Bal, Freds, Laufendaen - Modern

D. Cruve, Bal, Fodos, Laufendoven - Modern Convinier Arriga, John-Weley, 2008. L. Sarbineti - Lububaje de Proplanetre & Conjectore, Ed Mad, 1384

5 Hotogra - Malecle de Projectoire a Conflatectula,

G. Holdonam, H. Lupea, V. Croben - Liubage formale, Culiforne

Skilvice o Compiler parani propram interpretor - lone by line dynamic complex program s [margins] interne Synthesis ) - digt 1st compiler 1957 Badeus " integrales 1962 McCostly

Enrol Handling Securitical Scannes syntax Sourche lexical -ST propour true Analysis analysis take qualysis steere ophiwko code Manager

1. Scanner - lest (atting)
(divide hit) tokens (lineal items)
(atemi leval)

717 = propour internal form ST = Syoubol Table Mary has a little lamb. 2. Parser - verify if the PII tropeds the syntatical trules of the produces the result = syntax tree. If yes then produces the result = syntax tree. The ERROR 3. Sewantic analysis - wish the maning of the spoked onthe and foreform several chestis.

The result is called Amnotated Matriet Syrons The 4. Generale Inthum code (AAST, PPF, 3-address code, P-code, MSIL) 5. Optimisations of Naturn code

- 18 a set of operation to obtain more effected

Intermediate code (TIME + SPACE) to 4+5

Lange. 6. Generale object code - reliet the inste, and allocate reg for the intru code the older to just

Spouled Table Manager - croth from for sphile hell MOS in orde place Exit Handling REMARK of its report alto b surport of